Nortel Communication Server 1000

IP Phone 1165E

User Guide

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About the Nortel IP Phone 1165E

The IP Phone 1165E builds on the award-winning IP Phone 1100 Series industrial design and offers a high resolution color display and new graphical user interface elements that enhance the user experience. The IP Phone 1165E provides easy access to multiple lines and call processing features. It supports converged (voice and data) applications through External Application Server APIs to provide productivity enhancing applications and to enrich user experience with advanced multimedia interaction. (See Note 1).

Experience the display capabilities by personalizing the background image of the IP Phone 1165E display, and loading digital pictures into the IP Phone to view a Digital Picture Slideshow when the IP Phone is idle. The audio experience is enhanced through engineered audio tuning, and supports wideband (see Note 2) with a newly-stylized handset that has been softly contoured for additional comfort when using the handset.

Note 1: This feature requires an External Application Server.

Note 2: Wideband has dependencies on Nortel Communication Platform support, including Communication Server 1000 and is minimum-release dependent.

Basic features

Your IP Phone 1165E supports the following features:

- up to sixteen line/feature keys with indicators using the Shift feature
- four soft keys to provide easy access to features and call control
- high resolution color display
- high-quality handsfree speakerphone
- wideband audio support for handset, headset, speaker, and handsfree microphone
- volume control keys for adjusting ringer, handsfree, handset, and headset volume
- seven specialized feature keys:
  - Quit
  - Directory
  - Message/Inbox
  - Shift/Outbox
  - Services
  - Copy
  - Expand
- five call-handling keys:
  - Mute
  - Handsfree
  - Goodbye
  - Headset
  - Hold
- two Gigabit Ethernet ports—for LAN and PC connections
- integrated headset support for wired and wireless options including USB and Bluetooth Wireless Technology
- IEEE 802.3af PoE or local AC power options

- hearing aid compatibility
- USB port for connecting a USB keyboard, USB mouse, USB headset, USB flash drive and powered hubs
- USB access control (USB lock) that controls how the USB port on the IP Phone 1165E can be used
- support for Graphical External Application Server (GXAS) protocol that enables External Application Server APIs to provide feature functionality
- support for the IP Phone 1100 Series Expansion Module to add keys

For information about using the Expansion Module, see the *Expansion Module for IP Phone 1100 Series User Guide* (NN43130-101).

Telephone controls

Figure 1 on page 14 shows the IP Phone 1165E.

Figure 1: IP Phone 1165E

This section describes the controls on your IP Phone 1165E.

Context Sensitive Soft keys are located below the display area. The LCD label above each key changes, based on the active feature. These keys are referred to as **Soft keys** throughout this document.

When a triangle appears before a soft key label, the feature is active.

Press the **More...** key to access the next layer of soft keys.

The keys on either side of the LCD display area are **Self-labeled Line/Programmable feature keys**, with labels on the LCD. These keys also function as **line (DN)** keys.

These keys are referred to as **Line/ feature keys** throughout the remainder of this guide.

A steady LCD icon beside a line (DN) key indicates that the line is active. A flashing LCD icon indicates the line is on hold or the feature is being programmed.

A steady LCD icon beside a feature key indicates that the feature is active. A flashing LCD icon indicates that the feature is being programmed.

Use the **Volume control** buttons to adjust the volume of the ringer, handset, headset, speaker, and the Handsfree feature. Press the top button to increase the volume, and press the bottom button to decrease the volume.

(Mute)

Your **Mute** key functionality is enabled or disabled by your system administrator. Contact your system administrator to determine if your **Mute** key is enabled.

If your Mute key is enabled.press the **Mute** key to listen to the receiving party without transmitting. Press the **Mute** key again to return to two-way conversation.

> ***Note:*** If you **Mute** key is not enabled, pressing the **Mute** key places the call on hold. Press the **Mute** key again to restore the active call or press the line key to restore the active call. You cannot retrieve this call from hold by press the Hold key.

The **Mute** key applies to handsfree, handset, and headset microphones.

The **Mute** LED indicator, located on the **Mute** key, flashes to indicate that the microphone is muted.

(Handsfree)

Press the **Handsfree** key to make or answer a call using the two way speakerphone.

The Handsfree LED indicator, located on the **Handsfree** key, lights to indicate when handsfree is active.

(Navigation)

Use the **Navigation** keys to scroll through menus and lists appearing on the LCD display screen.

Use **Up** and **Down** to scroll up and down in lists.

Use **Enter**, at the center of the Navigation key cluster, to confirm menu selections.

In most menus, you can use **Enter** instead of the **Select** soft key.

(Hold)

Press the **Hold** key to put an active call on hold. Tap the flashing line key to return to the caller on hold.

(Expand)

Use the **Expand** key to access applications managed through an external application server.

> ***Note:*** This feature requires an External Application Server.

(Headset)

Press the **Headset** key to answer a call using the headset or to switch a call from the handset or handsfree to the headset.

The Headset LED indicator, located on the **Headset** key, lights to indicate that the headset is in use.

(Headset)

(Headset)

Press the **Headset** key twice to open the Bluetooth Setup menu.

If the Bluetooth wireless technology is not enabled on your IP Phone, this menu is not available.

(Goodbye)

Use the **Goodbye** key to terminate an active call.

When a message is waiting, the red **Visual Alerter/Message Waiting indicator** lights. Also, when the ringer sounds, this indicator flashes.

> ***Note:*** You may also hear an audio Message Waiting Indicator (stutter or beeping dial tone) when you go off-hook.

When your IP Phone 1165E firmware is being updated, the blue **Feature Status Lamp** indicator flashes.

To find out if additional features are supported for this lamp, contact your administrator.

(Copy)

Press the **Copy** key to copy entries to your Personal Directory from other lists, such as the Callers List, Redial List, and Corporate Directory.

(Quit)

Press the **Quit/Stop** key to exit an active menu or dialog. Pressing the **Quit/Stop** key does not affect the status of active calls.

(Shift/Outbox)

Press the **Shift/Outbox** key to toggle between two feature key pages, and to access an additional six lines or features.

This function is not available on all phones; consult your system administrator.

(Msg/Inbox)

Press the **Message/Inbox** key to access your voice mailbox.

This function is not available on all phones; consult your system administrator.

(Directory)

Press the **Directory** key to access directory services.

(Services)

Press the **Services** key, and then use the navigation keys to access the following items:

- Telephone Options:
  - — Volume adjustment...
  - — Contrast adjustment
  - — Language...
  - — Date/Time
  - — Display diagnostics
  - — Local Dialpad Tone
  - — Set Info
  - — Diagnostics
  - — Call Log Options
  - — Ring type...
  - — Call timer
  - — On hook default path
  - — Change FeatureKey label
  - — Name Display Format
  - — Live Dial Pad
- Password Admin:
  - — Station Control Password

  The **Password Admin** menu is not available on all IP Phones. Consult your system administrator.
- Virtual Office Login and Virtual Office Logout (if Virtual Office is configured)
  - — Press the **Services** key to exit from any menu or menu item.

(Services)

(Services)

(Navigation Keys)

Press the **Services** key twice to access the Local Tools menu, and then use the Left / Right navigation keys to access the following items:

- Preferences
- Diagnostics
- Configuration
- Locks

If you attempt to access the Local Tools menu, and a dialog box appears prompting you for a password, contact your system administrator. Your system administrator can establish a password for the Local Tools menu.

Telephone display

The IP Phone 1165E provides a 4.1 inch (diagonal measured) color QVGA TFT display, capable of displaying a QVGA 320 x 240 (width by height) image. The graphics controller supports 24-bit color (16 million colors).

Your IP Phone 1165E provides three display areas:

- The upper display area provides labels for the eight line/ feature key labels.
- The middle display area contains information for items such as caller number, caller name, Call Timer, feature prompt strings, user-entered digits, date and time information, and IP Phone information.
- The lower display area provides labels for the four soft keys.

Figure 2 on page 21 shows the IP Phone 1165E display area, including the line/feature keys and soft keys.

Figure 2: IP Phone 1165E display area

Self-labeled line/programmable feature key labels appear beside the line keys, and context-sensitive soft key labels appear directly above the soft keys. Self-labeled means that the label next to the line/feature key is presented from the call server automatically if a feature is programmed, and can also be edited and changed by the user. Context-sensitive means that the labels that appear above the soft keys present the features that are available to the user at that time. The soft key labels change depending on the active feature or the state of the call.

Self-labeled line/programmable feature keys are referred to as line/feature keys and Context Sensitive Soft keys are referred to as soft keys throughout this document.

Figure 3 on page 22 shows an idle LCD screen.

Figure 3: IP Phone 1165E LCD screen

USB support

The IP Phone 1165E has a USB port for connecting a USB keyboard, USB mouse, USB headset, and USB flash drive. The IP Phone 1165E supports powered downstream 1.1-compliant USB hubs, including USB 2.0 hubs, if they offer USB 1.1-backwards compliancy.

There are two levels of power for the USB port.

- When you power the IP Phone 1165E through Ethernet POE, the IP Phone 1165E provides up to 100 mA at 5 volts for the USB port.
- When you power the IP Phone 1165E through local AC power, the IP Phone 1165E provides up to 500 mA at 5 volts on the USB port.

  Note: Current limiting can obstruct the working of complex devices such as USB keyboards with built-in hubs. If a hub is involved, use external power.

You can plug a USB flash drive into the USB Port of the IP Phone 1165E or on a powered hub connected to the IP Phone, and transfer files to and from the IP Phone.

License Notification

Notify your system administrator if your IP Phone displays a message in a pop-up window about the licensing feature or evaluation period. License notification provides details to help diagnose why the features are disabled on the IP Phone. You can press the Stop key or lift the handset to close the window. The window redisplays every 24 hours at 1:00 AM (default). The time and time frame can be configured when you provision the IP Phone. For information about provisioning the IP Phones, see *Nortel Communication Server 1000 IP Phones Fundamentals* (NN43001-368).

Call features and Flexible Feature Codes

Some features are not available on all IP Phones. Call features and Flexible Feature Codes (FFC) must be assigned to your IP Phone 1165E, and supported by system software. Contact your system administrator to configure these features and codes on your IP Phone 1165E.

Security features

The following security features are available on your IP Phone 1165E:

- Encrypted calling
- Station Control Password (SCPW)

Encrypted calling

Your IP Phone 1165E supports secure communication using SRTP media encryption. If the feature is enabled, a security icon (q) appears on the screen when your call is secured using SRTP media encryption. Contact your system administrator to find out if this feature is available for your use.

Station Control Password (SCPW)

Your Station Control Password (SCPW) enables the following security features:

- Electronic Lock to prevent others from making calls from your IP Phone
- password-protected IP Phone features (for example, Personal Directory, Redial List, and Callers List)

Your system administrator defines your initial SCPW. Contact your system administrator for detailed information.

To change your SCPW:

(Services)

1. Press the **Services** key once.

2. Press the **Up/Down** keys to scroll, and then highlight **Password Admin**.

3. Press **Enter**.

4. Use the dialpad to enter your password at the prompt.

5. Press the **Up/Down** keys to scroll and highlight **New Password**.

6. Press **Enter**.

7. Use the dialpad to enter the new password.

Select

8. Press the **Select** soft key to accept the new password.

   If you are locked out of your IP Phone 1165E, or if you forget your SCPW, contact your system administrator.

Note: The default configuration for Password Protection is off.

To turn Password Protection on or off:

(Directory)

1. Press the **Directory** key.

2. Press the **Up/Down** navigation keys to scroll and highlight **Change Protection Mode**.

3. Use the dialpad to enter your password (if Password Protection is enabled).

Enter

4. Press the **Enter** key.

5. Press the **Up/Down** navigation keys to scroll and highlight one of the following:
   - **Enable Password Protection**
   - **Disable Password Protection**

Yes or No

6. Choose one of the following soft keys:
   - **Yes** to accept the selection
   - **No** to return to the Directory menu

Done

7. Press the **Done** soft key.

Entering and editing text

You can enter and edit text on your IP Phone 1165E using the following methods:

- “Entering text using the IP Phone dialpad” on page 27
- “Entering text using the USB keyboard” on page 28

The use of any of these methods for text entry or editing depends on the application. Table 1 shows the applications and input devices that you can use for text entry.

Table 1: Application text entry

For:	Use:
Call Server-related applications (for example, changing feature key labels, adding personal directory entries, or dialing)	Dialpad USB keyboard for numeric entries only
Graphical applications	USB keyboard
Local Tools menu	USB keyboard Dialpad for numeric entries

Entering text using the IP Phone dialpad

You can use the dialpad to enter text when you use features such as Personal Directory, Redial List, and Callers List. Use the dialpad in conjunction with the soft keys.

For example, if you want to enter the letter A, press the number **2** key once. If you want to enter the letter C, press the number **2** key three times. No letters are associated with the number 1 or the 0 keys; however, punctuation is associated with these keys.

Entering text using the USB keyboard

You can use the USB keyboard, when connected, to enter text in the tools and graphical applications.

For number entry in IP Phone applications (for example, when dialing), you can use the keyboard to enter digits (0 to 9), as well as * and #. Other characters are ignored.

When on a call, you can use the function keys (f1, f2, f3, f4, f5, f6, f7, f8, f9, f10, f11, f12, f13, f14, f15, f16, f17, f18, f19, and f20) to control the IP Phone. Table 2 shows the function keys and their associated action during IP Phone calls.

Table 2: USB keyboard function keys during IP Phone calls (Part 1 of 2)

Function key	Action
f1	Go to Handsfree mode
f2	Go to Headset mode
f3	Place the current call on hold
f4	Mute the current call
f5	Volume up
f6	Volume down
f7	Copy
f8	Quit
f9	Services (Globe)
f10	Expand to PC
f11	DN/Feature key 0
f12	DN/Feature key 1
f13	DN/Feature key 2

Table 2: USB keyboard function keys during IP Phone calls (Part 2 of 2)

Function key	Action
f14	DN/Feature key 3
f15	DN/Feature key 4
f16	DN/Feature key 5
f17	Soft key 1
f18	Soft key 2
f19	Soft key 3
f20	Soft key 4
0–9	0–9
A–Z	A–Z
a–z	a–z

Note: Contact your system administrator to see if USB keyboard function keys are supported on your IP Phone 1165E.

Editing text using the soft keys

You can use the softkeys, in conjunction with the dialpad, to easily edit text when you use features such as Personal Directory, Redial List, and Caller List.

To edit an entry in your Personal Directory, press the **Directory** key, and select the desired entry from your Personal Directory.

To edit text with the soft keys:

1. Press the **Edit** soft key.
2. Press the **Left/Right** navigation keys to move through the text.
3. Select the appropriate editing soft key for the operation you want to perform.

4. If the character you want is not visible, press the **More...** soft key to access the next layer of soft keys.
5. To add non-alphanumeric symbols, press the **Symbol** soft key, and perform one of the following:.
   a. Press the **Left/Right** navigation keys to move to a specific symbol and press the **Choose** soft key to select a symbol.
   b. Press the **Next** soft key to exit without editing the text.

When you are editing text using the soft keys, various commands are available on the softkeys to help you, as described in Table 3 on page 30.

Table 3: Editing text using soft keys

Soft key	Description
Cancel	Cancel an action.
Choose	Select a non-alphanumeric symbol (available only after the **Symbol** soft key is selected).
Clear	Clear the input field.
Case	Switch the next character to either uppercase or lowercase.
Delete	Backspace one character.
Done/Select/Enter	Varies, depending on the state of your IP Phone.
More...	Access additional soft keys.

Virtual Private Network

A Virtual Private Network (VPN) is a network that uses a public network infrastructure, such as the Internet, to provide you with secure access to the private network of your organization.

The IP Phone VPN feature allows you to connect to your organization's private network from a public or remote network. For example, you can use your home public Internet connection to connect to your organization's private network.

This chapter describes the procedure to upgrade the software of your IP Phone (if required) and configure the VPN on your IP Phone. An installation wizard helps you perform the necessary steps.

> ***Note:*** The Nortel Phone VPN Configuration Wizard uses the default language of the operating system of your PC. If the language is not supported by the wizard, the default wizard language is English.

Your system administrator provides you with all the necessary files you require to configure your IP Phone for VPN, and helps you to resolve any errors that occur during configuration.

Before you begin

Before you upgrade the IP Phone software and configure VPN on your IP Phone, complete the following checklist.

- Ensure that your PC is using one of the following operating systems:
  - Windows XP
  - Windows Vista
  - Macintosh OS
- Ensure that you received a copy of the provisioning files from your network administrator. The following files should be included:
  - Nortel Phone VPN Configuration Wizard.jar
  - provisioning files (for example: system.prv)

  - .bin files (for example: 0625C7C.bin)

- Java Virtual Machine (JVM) version 1.2 or later must be installed on your PC. To check click **Start**-> **Settings**-> **Control Panel**-> **Java** to see if JVM is installed on your machine and the version of it. If it is not installed, contact your system administration to help you to install it. To download the latest JVM, go to www.java.com.
- Ensure that your PC has a firewall that allows incoming communication to the following ports:
  - UDP Port 69 (TFTP)
  - TCP Port 80 (HTTP)
  - UDP Port 49000

  Note: The Nortel Phone VPN Configuration Wizard.jar file creates a log.txt file during execution. This file is helpful to troubleshoot problems you experience using the Nortel Phone VPN Configuration Wizard.jar. The log.txt file is located in the same directory as Nortel Phone VPN Configuration Wizard.jar.

Connecting your IP Phone

Before you connect your IP Phone to your PC, ensure that components of your IP Phone are connected properly.

Connect your IP Phone using one of the following methods:

- connect to your modem. See Figure 4 on page 33.
- connect to your router. See Figure 5 on page 33.
- connect to your wireless access point and modem. See Figure 6 on page 33.

Figure 4: IP Phone connected to the modem

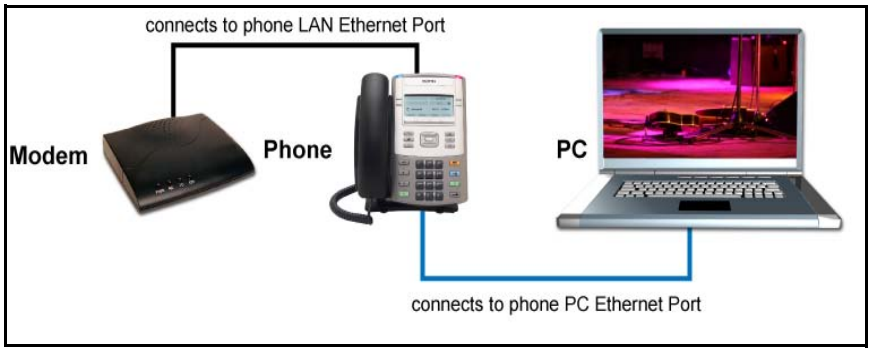


Figure 5: IP Phone connected to the router

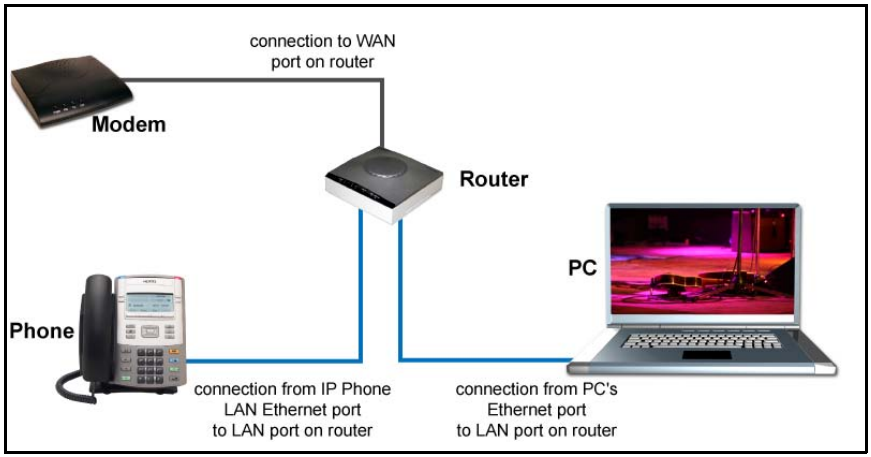
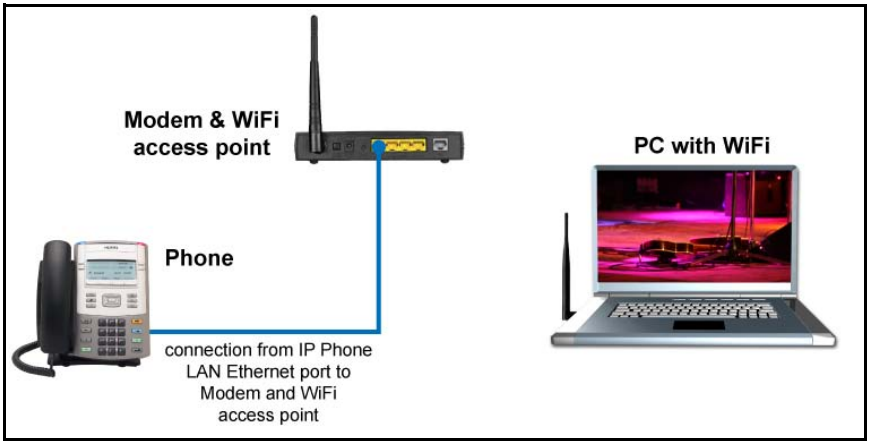


Figure 6: IP Phone connected to the wireless access point and

modem



Note 1: If your home network is not configured as described in the preceding figures, contact your system administrator for assistance.

Note 2: You cannot connect multiple PCs directly to the PC port on the IP Phone.

Note 3: The Nortel Phone VPN Configuration Wizard requires direct communication with the IP Phone on the network. Ensure that your network allows devices to communicate with each other on the local network. Some network equipment allows you to isolate devices from each other. If you are unsure, it is recommended that you temporarily connect your PC to the IP Phone to run the initial Nortel Phone VPN Configuration Wizard. See Figure 4 on page 33.

QoS configuration recommendations

Nortel recommends that you connect the PC to the IP Phones PC Ethernet Port as the IP Phone provides Quality of Service (QoS) on outbound traffic automatically.

If other PCs share the internet connection, then Nortel recommends that you configure QoS for outbound traffic and prioritize the IP Phone traffic. Typical QoS methods that are available are port based priority, MAC Address based Priority, and IP Address based Priority. To configure QoS, see your router documentation.

Installing and configuring VPN

Use the following procedure to install and configure VPN on your IP Phone.

Depending on the version of software installed on your IP Phone, you may need to upgrade the software on the IP Phone prior to configuring the VPN feature.

Use the following procedure to install and configure VPN on your IP Phone.

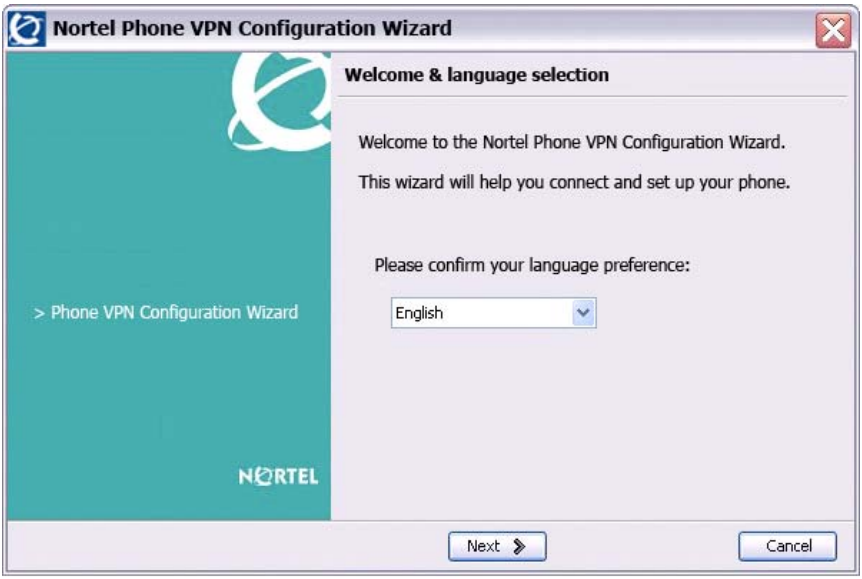
> ***Note:*** Depending on the version of software installed on your IP Phone, you may need to upgrade the software on the IP Phone prior to configuring the VPN feature.

To install and configure VPN

1. Follow the instructions provided by your system administrator to obtain the required files.
2. Power-down the IP Phone.
3. Run the Nortel Phone VPN Configuration Wizard.jar file on your PC.

   The **Welcome & language selection** window of the Wizard appears, as shown in Figure 7 on page 36.

Figure 7: Welcome & language selection window


Nortel Phone VPN Configuration Wizard
Welcome & language selection
Welcome to the Nortel Phone VPN Configuration Wizard.
This wizard will help you connect and set up your phone.
Please confirm your language preference:
English
> Phone VPN Configuration Wizard
NORTEL
Next
Cancel

4. Select your language preference.
   The following languages are supported:

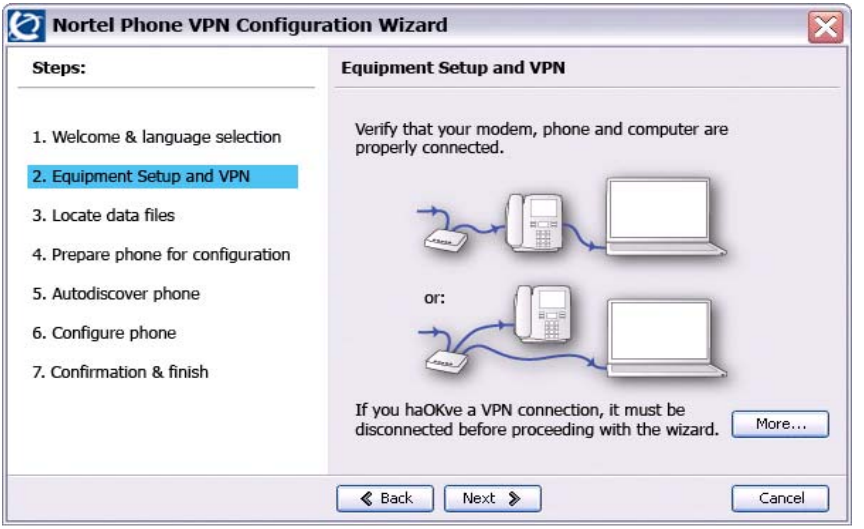
- Arabic
- Chinese - simplified
- Chinese - traditional
- Czech
- Danish
- Dutch
- English
- Finnish
- French
- German
- Greek
- Hebrew
- Hungarian

- Italian
- Japanese - Katakana
- Japanese - Kanji
- Korean
- Latvian
- Norwegian
- Polish
- Portuguese
- Russian
- Spanish
- Swedish
- Turkish

5. Click **Next**.

   The **Equipment Setup and VPN** window appears, as shown in Figure 8 on page 38.

Figure 8: Equipment Setup and VPN window


Nortel Phone VPN Configuration Wizard
Steps:
1. Welcome & language selection
2. Equipment Setup and VPN
3. Locate data files
4. Prepare phone for configuration
5. Autodiscover phone
6. Configure phone
7. Confirmation & finish
Equipment Setup and VPN
Verify that your modem, phone and computer are properly connected.
or:
If you haOKve a VPN connection, it must be disconnected before proceeding with the wizard.
More...
Back
Next
Cancel

6. Verify that the modem, IP Phone, and PC are connected properly.
7. Disconnect any VPN connection currently running on your PC. Confirm that your LAN Ethernet Port and PC Ethernet Port on the IP Phone are connected correctly.

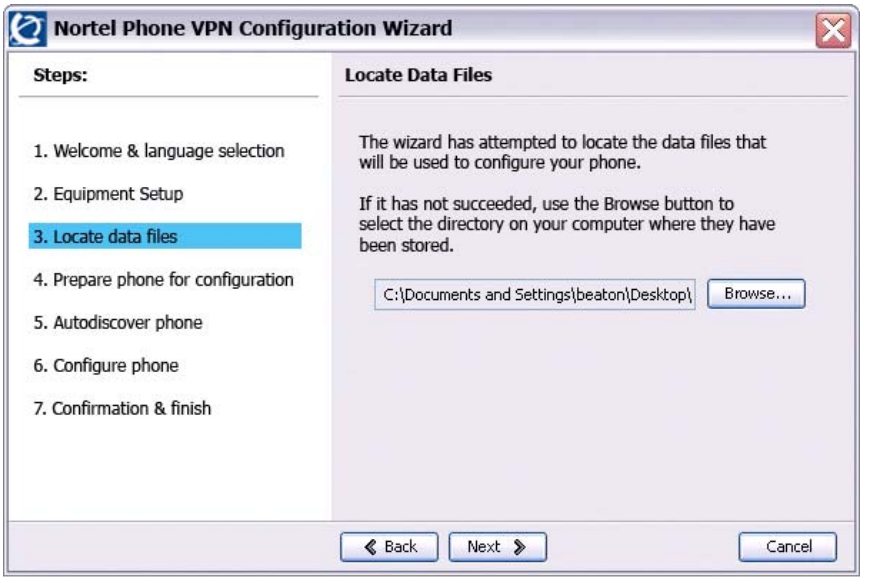
   Note: Connect the IP Phone LAN Ethernet port, marked with the symbol on the back of the IP Phone to your network equipment only. Connect only one PC (if applicable) to the PC Ethernet port, marked with the symbol on the back of the IP Phone.

   Note: Optional: Click **More** to read a description of VPN.

8. Click **Next**.

   The **Locate Data Files** window appears, as shown in Figure 9 on page 39.

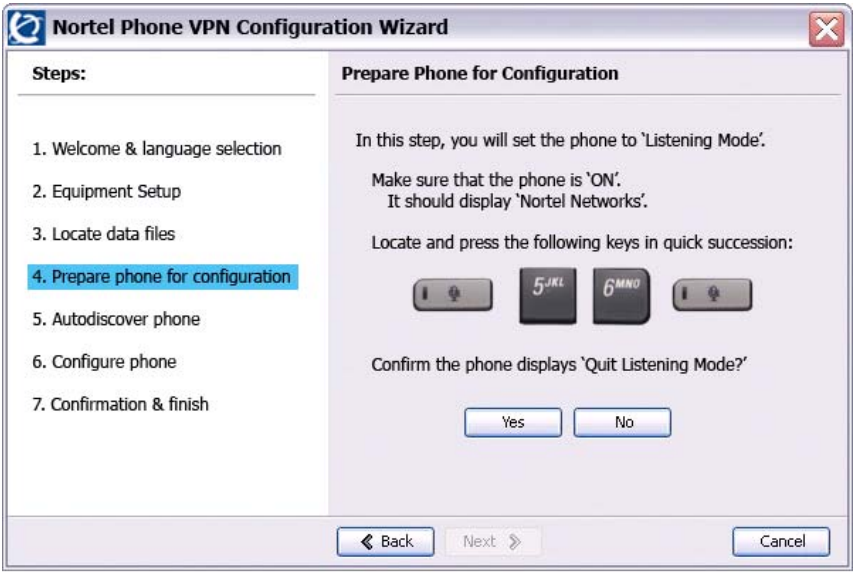
Figure 9: Locate Data Files


Nortel Phone VPN Configuration Wizard
Steps:
1. Welcome & language selection
2. Equipment Setup
3. Locate data files
4. Prepare phone for configuration
5. Autodiscover phone
6. Configure phone
7. Confirmation & finish
Locate Data Files
The wizard has attempted to locate the data files that will be used to configure your phone.
If it has not succeeded, use the Browse button to select the directory on your computer where they have been stored.
C:\Documents and Settings\beaton\Desktop\
Browse...
Back
Next
Cancel

9. Click **Browse** to locate the provisioning files provided by your system administrator, if the wizard was not able to locate the files.
10. Click **Next**.

    The **Prepare Phone for Configuration** window appears as shown in Figure 10 on page 40.

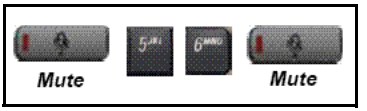
Figure 10: Prepare Phone for Configuration



11. Power on your IP Phone.

    Note: Depending on the current software version on the IP Phone, "Listening Mode" may not be detected. If your IP Phone does not enter "Listening Mode", follow the steps below.

12. After you hear the chimes tune and the text **NORTEL** appears on the IP Phone display screen, quickly press the following keys in order.



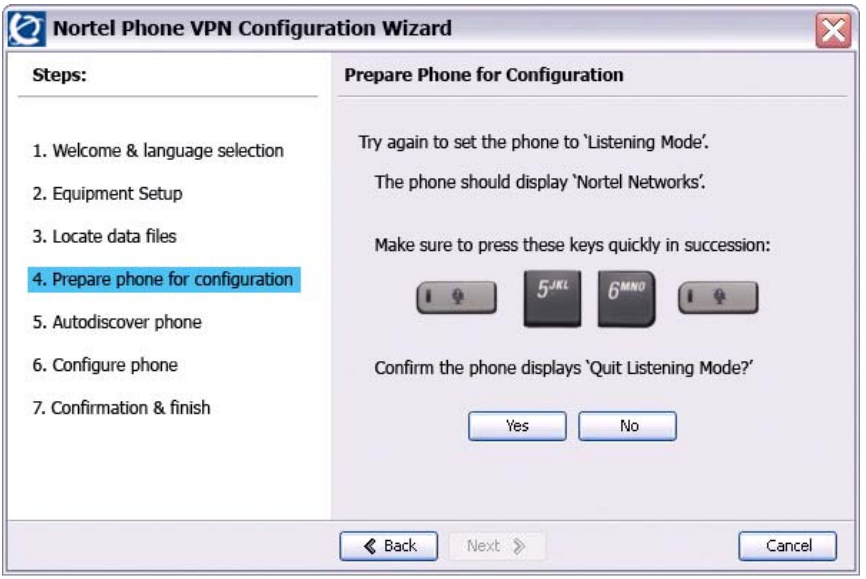
13. Verify that the IP Phone displays **Listening Mode**.

    a. The IP Phone can take up to 60 seconds for "Listening Mode" to appear in the display area.

       If the IP Phone displays **Listening Mode**, click **Yes** and go to Step 15.
       OR
       If the IP Phone does not display **Listening Mode**, click **No**.

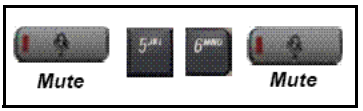
The **Prepare Phone for Configuration** (Try again) window appears.

Figure 11: The Prepare Phone for Configuration (Try again)



a. Power off your IP Phone and power it back on again.

14. After you hear the chimes tune and the text **NORTEL** appears on the IP Phone display screen, quickly press the following keys in order.



Note: The IP Phone can take up to 60 seconds for “Listening Mode” to appear in the display area.

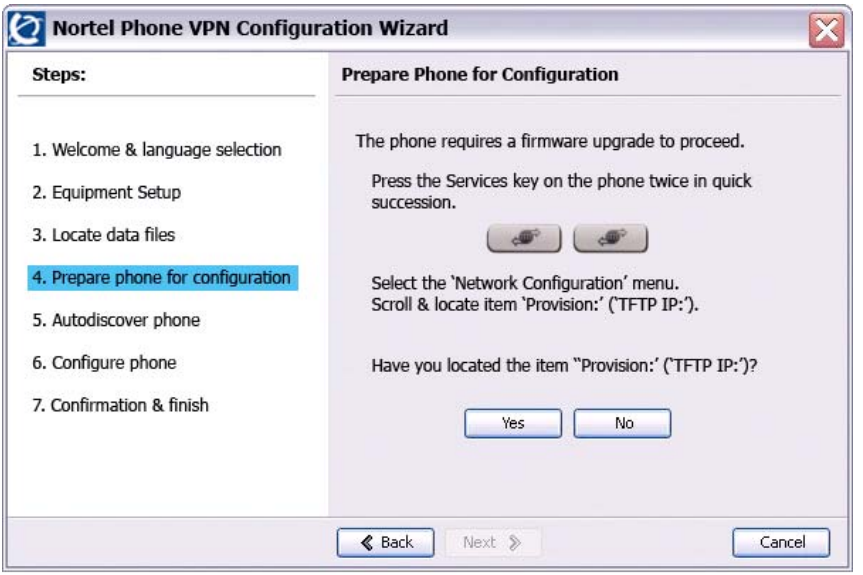
b. If the IP Phone displays **Listening Mode**, click **Yes** and go to Step 15.

OR
If the IP Phone does not display **Listening Mode**, then your IP Phone requires a software upgrade in order to proceed.
Click **No** to proceed to a software upgrade. Follow the next steps

to perform a software upgrade on your IP Phone.

The **Prepare Phone for Configuration** window appears as shown in Figure 12 on page 42.

Figure 12: Prepare Phone for Configuration


Nortel Phone VPN Configuration Wizard
Steps:
1. Welcome & language selection
2. Equipment Setup
3. Locate data files
4. Prepare phone for configuration
5. Autodiscover phone
6. Configure phone
7. Confirmation & finish
Prepare Phone for Configuration
The phone requires a firmware upgrade to proceed.
Press the Services key on the phone twice in quick succession.
Select the 'Network Configuration' menu.
Scroll & locate item 'Provision:' ('TFTP IP:').
Have you located the item "Provision:' ('TFTP IP:')?
Yes
No
Back
Next
Cancel

c. Double-press the **Services** key on the IP Phone quickly.
Select the **Network Configuration** menu item.
Move the cursor to locate **Provision:** or **(TFTP IP:)** in the Network Configuration menu, and then write down the existing address of the provisioning server so you can refer to it after you complete this procedure.

Note: If a password prompt dialog box appears, press Cancel. Wait until your IP Phone display completes the “Starting DHCP…” screen, then perform Step c again.

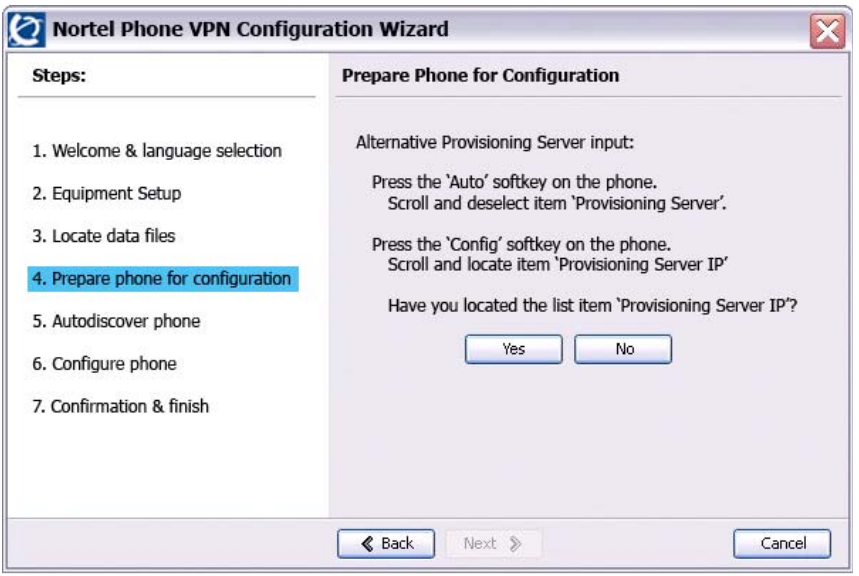
For information about entering and editing text in the Local menu, see “Entering and editing text” on page 27.

d. If you are able to navigate to the **Provision:** or **(TFTP IP:)** parameter, and edit this field, click **Yes**.
The **Prepare Phone for Configuration (Input Provisioning**

Server IP address) window appears, as shown in Figure 14 on page 44.
OR
If you are not able to navigate and edit the address in **Provision:** or **(TFTP IP:)** in the Network Configuration menu, or you were not able to edit this field, click **No**.

The **Prepare Phone for Configuration (Alternate Provisioning Server)** window appears. See Figure 13 on page 43.

Figure 13: Prepare Phone for Configuration (Alternate Provisioning Server)



e. Press the **Auto** soft key on the IP Phone.
Navigate to **12. Provisioning Server**.
Clear the **Provisioning Server** check box.

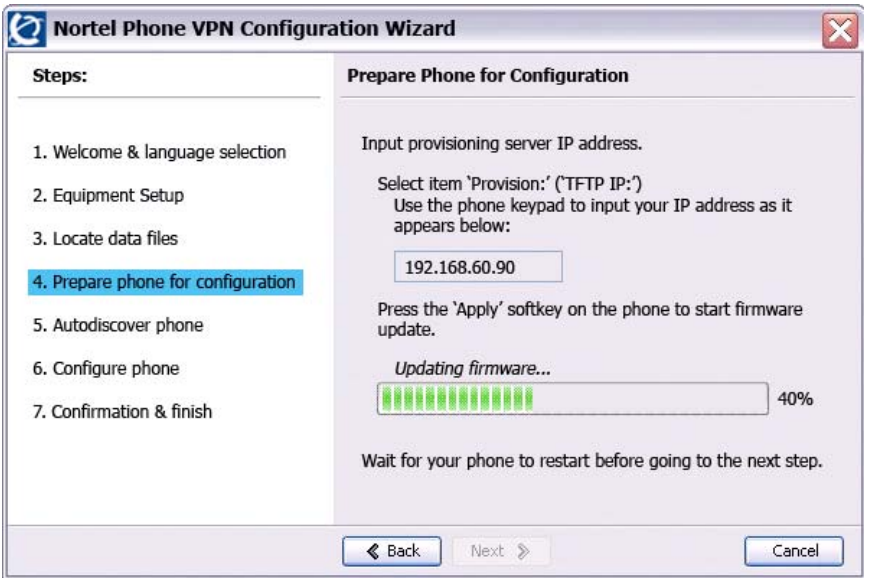
f. Press the **Config** soft key on the IP Phone.
Navigate to the **Provision:** item.

Note: If you can locate the existing provisioning server address, write it down so you can refer to it after you complete this procedure, then click **Yes**.
Observe the Provision: or (TFTP IP) address, as shown in Figure 14

on page 44. This is the IP Address of your PC running the Wizard tool. Use the IP Phone keypad to enter the Provision: or (TFTP IP) address of the provisioning server.

Note: To enter a dot (period) when entering an IP address using the IP Phone keypad, press the **1** key repeatedly, or you can double-press the asterisk (*) key.

Figure 14: Prepare Phone for Configuration (Input Provisioning Server IP address)


Nortel Phone VPN Configuration Wizard
Steps:
1. Welcome & language selection
2. Equipment Setup
3. Locate data files
4. Prepare phone for configuration
5. Autodiscover phone
6. Configure phone
7. Confirmation & finish
Prepare Phone for Configuration
Input provisioning server IP address.
Select item 'Provision:' ('TFTP IP:')
Use the phone keypad to input your IP address as it appears below:
192.168.60.90
Press the 'Apply' softkey on the phone to start firmware update.
Updating firmware...
40%
Wait for your phone to restart before going to the next step.
Back
Next
Cancel

OR
If you cannot locate the **Provisioning Server** address, contact your system administrator to obtain the IP address and follow the administrator instructions.
Click **No** to return to the **Prepare Phone for Configuration** window shown in Figure 12 on page 42.

g. To reset the IP Phone and begin the software update, press the **Apply&Reset** key on the IP Phone.
The progress bar displays the percent complete of the software transfer.

h. Restart your IP Phone.

i. Click **Next**.

j. Go back to Step 12 and repeat the steps.

15. When the **Autodiscover Phone** window appears, as shown in Figure 15 on page 46, click **Autodiscover Phone** to discover connected IP Phones.

    Note: Click **Stop** to stop the search.

    The text “Searching for connected phones” displays while the connected IP Phones are located. The text “Autodiscovery complete” displays in the Nortel Phone VPN Configuration Wizard tool when the search is finished.

    If the search is successful, “Listening Mode: Connected” appears in the IP Phone display area.

    If the search is not successful, do the following

    - Ensure that the IP Phone continues to display “Listening Mode: Listening…” during the Autodiscovery process. If your IP Phone does not display this message, power down the IP Phone and repeat the steps, starting with Step 11.
    - Ensure that UDP Port 49000 is not currently blocked by your PC firewall.
    - Ensure that UDP Port 49000 is not already in use by existing applications on your PC.
    - Review the log.txt file for additional information.

Figure 15: Autodiscover Phone window

16. Click **Next**.

    If more than one connected IP Phone was discovered, the **Autodiscover Phone (More than one phone was discovered)** window appears. See Figure 16 on page 47.

Figure 16: Autodiscover Phone (More than one phone was discovered)

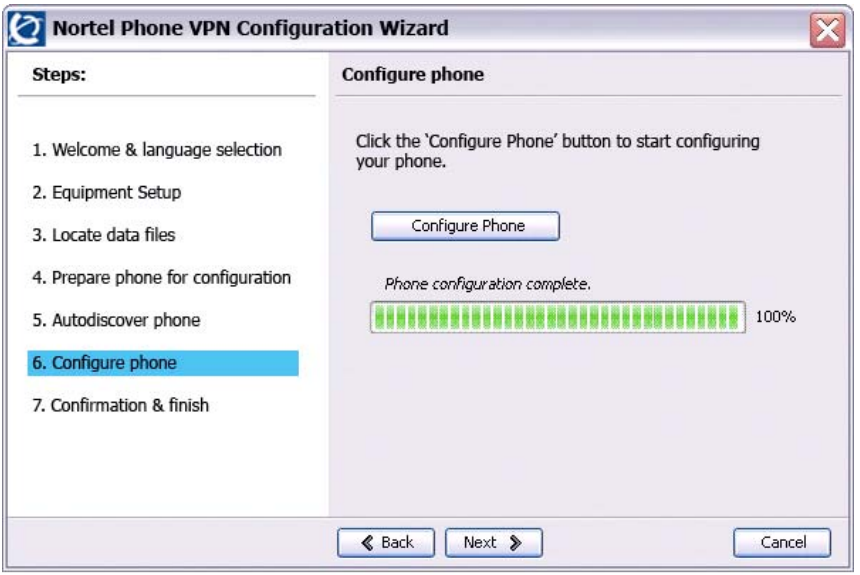
a. Obtain the MAC address of the IP Phone for which you are configuring the VPN. The MAC address is printed on a label located on the back of the IP Phone.

b. Select the IP Phone to configure from the drop-down list.

c. Click **Next**.

17. When the **Configure phone** window appears, as shown in Figure 17 on page 48, click **Configure phone** to initiate the provisioning session that configures the VPN feature on the IP Phone.

Figure 17: Configure Phone Window



The progress bar displays the percent complete of the provisioning file transfer.
Configuring phone is displayed during the file transfer.

18. When **Phone configuration complete** is displayed, click **Next**.

    The **Confirmation & Finish** window appears. See Figure 18 on page 49.

Figure 18: Confirmation & Finish

Nortel Phone VPN Configuration Wizard
Steps:
1. Welcome & language selection
2. Equipment Setup
3. Locate data files
4. Prepare phone for configuration
5. Autodiscover phone
6. Configure phone
7. Confirmation & finish
Confirmation & Finish
To ensure that the phone has been successfuly configured, check for the following indicators.
Look for basic information on the phone screen such as:
date
time
type of call system
directory number
Lift the handset and listen for dial tone.
If the phone is not successfuly configured:
repeat the steps in this wizard
or
contact your network administrator.
Back
Finish
Cancel

19. Verify that the IP Phone is successfully configured.

    Note: You may be prompted to enter a User ID and Password before the IP Phone registers with the system. This information is provided by your system administrator. Table 4 on page 49 provides character key mappings.

Table 4: Character key mappings (Part 1 of 2)

Key	Generates
0	0
1	_ - . ! @ $ % & + & ^ \ 1
2	a b c A B C 2
3	d e f D E F 3
4	g h i G H I 4
5	j k l J K L 5

Table 4: Character key mappings (Part 2 of 2)

Key	Generates
6	m n o M N O 6
7	p q r s P Q R S 7
8	R U V T U V 8
9	w x y z W X Y Z 9
*	., - + = ^ ; : ‘ \ “ *
#	{ } | ( ) < > [ ] #

a. Look for the following information on the IP Phone display:

— Date

— Time

— Type of call server

— Directory number

b. Lift the IP Phone handset and listen for a dial tone.

If the IP Phone is not configured successfully, ensure that the basic requirements are met; repeat the steps in the Nortel Phone VPN Configuration Wizard or contact your system administrator. For more information about basic requirements, see “Before you begin” on page 31.

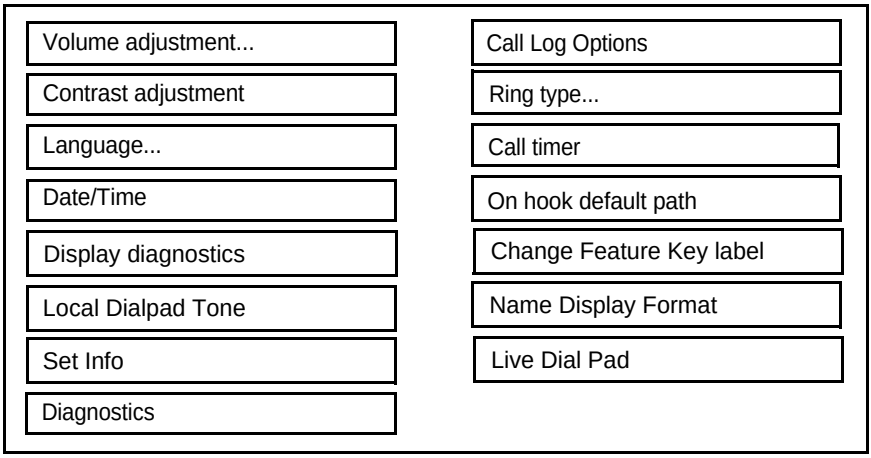
Configuring Telephone Options

Your IP Phone 1165E **Services** menu lists the following submenus:

- The **Telephone Options** menu enables you or your system administrator to configure IP Phone preferences. The **Telephone Options** menu offers the options shown in Figure 19 on page 51.
- The **Password Admin** menu enables you or your system administrator to change the Station Control Password (SCPW).
- The **Virtual Office Login** and **Test Local Mode** (for branch office) menus are listed when an IP Phone 1165E Class of Service is configured for Virtual Office and branch office. (For more information, see "Using Virtual Office" on page 182).

  Note: The **Password Admin**, **Virtual Office Login**, and **Test Local Mode** menus are not available on all systems. Consult your system administrator to see if these features are available.

Figure 19: Telephone Options menu



Using the Telephone Options menu

Use the **Telephone Options** menu to access the following:

- "Adjusting the volume" on page 53
- "Adjusting the display screen contrast" on page 54
- "Selecting a language" on page 55
- "Selecting date and time format" on page 56
- "Accessing display diagnostics" on page 57
- "Choosing a local dialpad tone" on page 57
- "Viewing IP Phone information" on page 58
- "Diagnostics" on page 59
- "Configuring Call Log Options" on page 60
- "Choosing a ring type" on page 66
- "Enabling or disabling Call Timer" on page 67
- "Enabling OnHook Default Path" on page 68
- "Changing feature key labels" on page 69
- "Configuring the name display format" on page 71
- "Configuring Live Dial Pad" on page 72

To use the Telephone Options menu:

(Services)

1. Press the **Services** key.

2. Press the **Up/Down** navigation keys to scroll and highlight **Telephone Options**.

3. Press the **Enter** key.

4. Press the **Up/Down** navigation keys to scroll and highlight an option (for example, **Language…**).

5. Press the **Enter** key. The display provides information required to adjust your selection.

6. Choose one of the following:

— Press the **Select** soft key to save changes, and return to the **Telephone Options** menu.

— Press the **Cancel** soft key to keep existing configurations.

Adjusting the volume

To adjust the volume, press the **Services** key, select **Telephone Options**, and then select **Volume adjustment…**

To adjust the volume:

1. Press the **Up/Down** navigation keys to scroll and highlight one of the following:

— **Ringer**

— **Handset listen**

— **Handsfree listen**

— **Headset listen**

— **Buzzer**

2. Press the **Enter** key.

or

3. To increase the volume, press one of the following three keys:
   - **Up** soft key
   - the **Up** navigation key
   - the **Right** navigation key

4. To decrease the volume, press one of the following three keys:
   - **Down** soft key
   - the **Down** navigation key
   - the **Left** navigation key

5. Choose one of the following:
   - Press the **Select** soft key or the **Enter** key to save the volume level, and return to the **Telephone Options** menu.
   - Press the **Cancel** soft key to keep existing configurations.

Adjusting the display screen contrast

To adjust the LCD screen contrast, press the **Services** key, select **Telephone Options**, and then select **Contrast adjustment**.

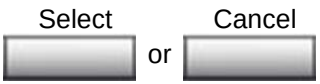
You can also adjust the contrast using the Local Tools menu; Nortel recommends that you use the control in the Telephone Options menu.

> ***Note:*** If you have an Expansion Module for IP Phone 1100 Series attached to your IP Phone, adjusting the IP Phone LCD screen contrast also adjusts the display screen contrast for the Expansion Module.

To adjust the display screen contrast:

1. To increase the display contrast level, press one of the following three keys:
   - — **Up** soft key
   - — **Up** navigation key
   - — the **Right** navigation key

2. To decrease the display contrast level, press one of the following three keys:
   - — **Down** soft key
   - — the **Down** navigation key
   - — the **Left** navigation key



3. Choose one of the following:
   - — Press the **Select** soft key or the **Enter** key to save the changes, and return to the **Telephone Options** menu.
   - — Press the **Cancel** soft key to keep existing configurations.

Selecting a language

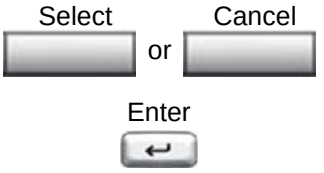
The display is available in multiple languages. To choose a language, press the **Services** key, select **Telephone Options**, and then select **Language…**

If the language setting is password-protected, you must enter a password (SCPW) to change the language. If you enter an incorrect password, an error message is displayed. If you enter an incorrect password more than three times, the password functionality is locked. Contact your system administrator to unlock the password.

To select a language:

1. Press the **Up/Down** navigation keys to scroll, and highlight the desired language (for example, German [Deutsche]).

   Note: Some languages may not be installed on your IP Phone. Contact your system adminstrator for more information about available languages.



2. Choose one of the following:

   — Press the **Select** soft key or **Enter** key to save the desired language, and return to the **Telephone Options** menu.

   — Press the **Cancel** soft key to keep existing configurations.

Selecting date and time format

Several date and time formats are available. Formats are based on the 12-hour and 24-hour clocks. To select the date and time format, press the **Services** key, select **Telephone Options**, and then select **Date/Time.**

To select a date and time format:

1. Press the **Up/Down** navigation keys to scroll and highlight the desired format. Sample formats appear on the upper-right side of the display area.

2. Choose one of the following:
   - — Press the **Select** soft key or **Enter** key to save the format, and return to the **Telephone Options** menu.
   - — Press the **Cancel** soft key to keep existing configurations.

Accessing display diagnostics

The Display diagnostics option tests the IP Phone display screen and indicator lights.To access Display diagnostics, press the **Services** key, select **Telephone Options**, and then select **Display diagnostics**.

To use Display diagnostics:

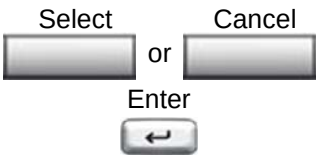
1. Press the **Up/Down** navigation keys to scroll through the list to view display capabilities.
2. Press the soft key to the far right to return to the **Telephone Options** menu.

Choosing a local dialpad tone

The Local DialPad Tone option produces Dual-Tone Multi-Frequency (DTMF) sounds, a single tone, or no sound when you press a key on the dialpad. To choose a local dialpad tone, press the **Services** key, select **Telephone Options**, and then select **Local DialPad Tone**.

To choose a local dialpad tone:

1. Press the **Up/Down** navigation keys to scroll and highlight one of the following dialpad tones:
   - — **None** to disable all tones
   - — **Short Click** to enable a single tone for all keys
   - — **DTMF** to turn on a separate DTMF tone for each key



2. Choose one of the following:
   - — Press the **Select** soft key or **Enter** key to save the tone selection, and return to the **Telephone Options** menu.
   - — Press the **Cancel** soft key to keep existing configurations.

Viewing IP Phone information

The **Set Info** option displays the following IP Phone-specific information:

- General Info
- Set IP Info
- Ethernet Info
- Server Info
- Location Info
- Encryption Info

To view IP Phone information, press the **Services** key, select **Telephone Options**, and then select **Set Info**.

To view IP Phone information:

1. Press the **Up/Down** navigation keys to scroll through the list to view IP Phone information.

Select

Enter

2. Press the **Select** soft key or **Enter** key to view the highlighted information

3. Press the **Up/Down** navigation keys to scroll through the information.

Cancel

4. Press the **Cancel** soft key to return to the previous menu.

Diagnostics

The **Diagnostics** option displays the following IP Phone-specific information:

- Diag Tools
- EtherStats
- IP Stats
- RUDP Stats
- QOS Stats

This menu is for administrator use only.

Configuring Call Log Options

The Call Log Options screen displays the following items:

- Incoming Calls
- Preferred Name Match
- Area Code Setup

Under Incoming Calls, the following can be selected:

- Log Mode
- New Call Indication

Use the Call Log Options screen to configure the following preferences:

- "Configure the Incoming Calls – Log Mode" on page 60
- "Configure the Incoming Call – New Call Indication" on page 62
- "Configure Preferred Name Match" on page 63
- "Configure Area Code Setup" on page 64

Configure the Incoming Calls – Log Mode

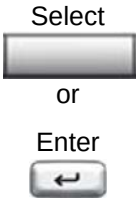
You can configure the Callers List to log all incoming calls including calls while your phone is busy, or only unanswered calls. The default configuration is Log All Calls.

To log only unanswered calls, press the **Services** key, select **Telephone Options**, and then select **Call Log Options** from the menu.

To select a log mode:

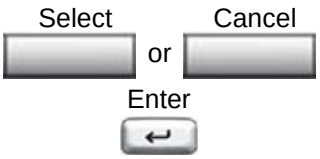
1. Highlight the **Incoming Calls** option and press the **Select** soft key or **Enter** key.

2. Press the **Up/Down** navigation keys to scroll and highlight the **Log Mode** option.



3. Press the **Select** soft key or **Enter** key.

4. Press the **Up/Down** navigation keys to highlight **Log Unanswered Calls** or **Log All Incoming Calls**.

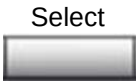


5. Choose one of the following:
   - — Press the **Select** soft key or **Enter** key to save the configuration.
   - — Press the **Cancel** soft key to keep existing configurations.

To log all incoming calls including calls while your IP Phone is busy, press the Services key and select the Call Log Options from the Telephone Options menu.

To log all incoming calls including calls while IP Phone is busy

6. Press the **Up/Down** navigation keys to scroll and highlight the **Incoming Calls** option.



7. Press the **Select** soft key or **Enter** key.

8. Press the **Up/Down** navigation keys to scroll and highlight **Log Calls** if busy.

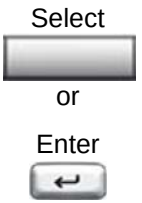
9. Choose one of the following:
   - Press the **Select** soft key to save the configuration.
   - Press the **Cancel** soft key to keep existing configurations.

Configure the Incoming Call – New Call Indication

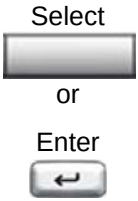
You can configure your IP Phone 1165E to display a message to indicate that a new incoming call was received. The default configuration is On. To configure new call indication, press the **Services** key, select **Telephone Options**, and then select **Call Log Options**.

To configure New Call Indication:

1. Highlight the **Incoming Calls** option and press the **Select** soft key or **Enter** key.

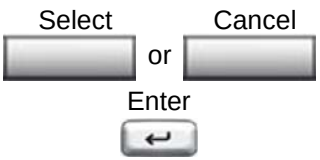


2. Press the **Up/Down** navigation keys to scroll and highlight **New Call Indication**.



3. Press the **Select** soft key or **Enter** key.

4. Press the **Up/Down** navigation keys to scroll and highlight one of the following:
   - **New call indication off**
   - **New call indication on**



5. Choose one of the following:
   - Press the **Select** soft key or **Enter** key to save the configuration.
   - Press the **Cancel** soft key to keep existing configurations.

Configure Preferred Name Match

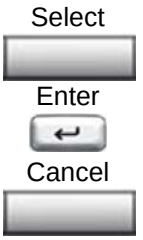
You can configure your IP Phone 1165E to display the name of the caller as defined in your Personal Directory. The default configuration is Off. To configure Preferred Name Match, press the **Services** key, select **Telephone Options**, and then select **Call Log Options**.

To configure Preferred Name Match:

1. Press the **Up/Down** navigation keys to scroll and highlight **Preferred Name Match**.

2. Press the **Select** soft key.

3. Press the **Up/Down** navigation keys to scroll and highlight one of the following:
   - **Preferred name match on**
   - **Preferred name match off**



4. Choose one of the following:
   - Press the **Select** soft key or **Enter** key to save the configuration.
   - Press the **Cancel** soft key to keep existing configurations.

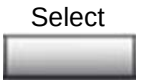
Configure Area Code Setup

Use the **Area Code Setup** menu to save up to three area codes. When an incoming call arrives with an area code that matches one of the three stored area codes, the incoming call number is reordered to display the telephone number followed by the area code (as opposed to the area code followed by the telephone number). This reordering is also performed when you scroll through your Callers List.

To configure area codes, press the **Services** key, select **Telephone Options**, and then select **Call Log Options**.

To configure default area codes (maximum of three):

1. Press the **Up/Down** navigation keys to scroll and highlight **Area Code Setup**.



2. Press the **Select** soft key.

3. Press the **Up/Down** navigation keys to scroll and highlight one of the following:
   - — Area Code # 1
   - — Area Code # 2
   - — Area Code # 3

Select

4. Press the **Select** soft key.

5. Use the dialpad to enter the area code at the prompt.

Select

Enter

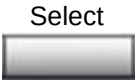
Cancel

6. Choose one of the following:
   - — Press **Enter** or the **Select** soft key to save the configuration.
   - — Press the **Cancel** soft key to keep the existing configurations.

   Note: Refer to Table 3 on page 30 for an explanation of other available soft keys.

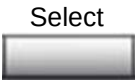
To edit area code display:

1. Press the **Up/Down** navigation keys to scroll and highlight **Area Code Setup**.



2. Press the **Select** soft key.

3. Press the **Up/Down** navigation keys to scroll and highlight one of the following:
   - — Area Code # 1
   - — Area Code # 2
   - — Area Code # 3



4. Press the **Select** soft key.

5. Use the dialpad to edit the number.

6. Choose one of the following:
   - — Press the **Select** soft key or **Enter** key to save the configuration.
   - — Press the **Cancel** soft key to keep existing configurations.

Note: Refer to Table 3 on page 30 for the explanation of other available soft keys.

Choosing a ring type

The **Ring type…** option configures the IP Phone ring tone. To choose a ring type, press the **Services** key, select **Telephone Options**, and then select **Ring type…**

To select a ring type:

1. Press the **Up/Down** navigation keys to scroll and highlight one of the ring types.

Play

2. Press the **Play** soft key to sample the ring tone.

3. Choose one of the following:

Select

Stop

Cancel

Enter

— Press the **Select** soft key or **Enter** key to save the ring type, and return to the **Telephone Options** menu.

— Press the **Stop** soft key, and then use the **Up/Down** navigation keys to select a different ring type.

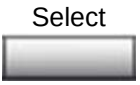
— Press the **Cancel** soft key to keep existing configurations.

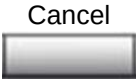
Enabling or disabling Call Timer

The call timer measures how long you are on each call. To enable Call Timer, press the **Services** key, select **Telephone Options**, and then select **Call Timer**.

To enable or disable Call Timer:

1. Press the **Up/Down** navigation keys to highlight one of the following:
   - **Call Timer: On**
   - **Call Timer: Off**





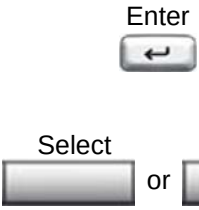
2. Choose one of the following:
   - Press **Enter** or the **Select** soft key to save the configuration, and return to the **Telephone Options** menu.
   - Press the **Cancel** soft key to keep existing configurations.

Enabling OnHook Default Path

The **OnHook Default Path** option allows you to choose whether to use a headset or the Handsfree feature to operate your IP Phone while it is on-hook. To enable OnHook Default Path, press the **Services** key, select **Telephone Options**, and then select **On hook default path**.

To enable OnHook Default Path:

1. Press the **Up/Down** navigation keys to highlight one of the following:
   - **Handsfree enable**
   - **Headset enable**



2. Choose one of the following:
   - Press the **Select** soft key or **Enter** key to save the default path, and return to the **Telephone Options** menu.
   - Press the **Cancel** soft key to keep existing configurations.

Changing feature key labels

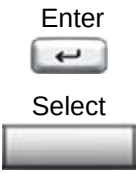
The **Change FeatureKey label** option renames the label displayed next to each feature key or restores the default labels to the keys (collectively or individually). To rename feature key labels, press the **Services** key, select **Telephone Options**, and then select **Change FeatureKey label**.

If the feature key label setting is password-protected, you must enter a password (SCPW) to change the feature key label. If you enter an incorrect password, an error message is displayed. If you enter an incorrect password more than three times, the password functionality is locked. Contact your system administrator to unlock the password.

Note: If a feature key is configured as an auto-dial key, the label does not change if the auto-dial key configuration changes.

To rename the labels:

1. Select the **Change FeatureKey label option**.



2. Press **Enter** or the **Select** softkey.

3. Press the feature key that you are changing.

   If you press a prime DN key, an error message appears.

   The error message that appears is

   Can't chg PrimeDN key

   In order to return from the menu from this error message you need to press the **OK** soft key or the **Enter** key.

4. Enter the new information for the feature key label. To enter special characters, press the **Up** navigation key. For information about entering text, see "Entering text using the IP Phone dialpad" on page 27.

5. Choose one of the following:

   — Press the **Select** soft key to save the changes, and return to the **Telephone Options** menu.

   — Press the **Cancel** soft key to keep existing configurations.

To restore the default labels:

To restore feature key labels, press the **Services** key, select **Telephone Options**, and then select **Change FeatureKey label**.

1. Use the **Up/Down** navigation keys to scroll and highlight one of the following:

   a. Restore all key labels

   — Press the **Select** soft key or **Enter** key.

   — Press the **Yes** soft key to change all feature keys to default values or **No** to return to the previous menu.

   b. Restore one key label

   — Press the **Select** soft key.

   — Press the feature key.

   — Press the **Yes** soft key to change the selected feature key label to the default value or **No** to return to the previous menu.

   Note: If labels are changed to default values, you cannot undo the change. The label configurations must be reentered.

Configuring the name display format

You can configure your IP Phone 1165E to display the name of the incoming calling party in the following formats:

- last name, first name
- first name, last name

To configure name display format, press the **Services** key, select **Telephone Options**, and then select **Name Display Format**.

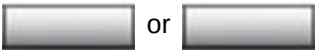
To configure name display format:

1. Press the **Up/Down** navigation keys to scroll and highlight one of the following:
   - **last name, first name**
   - **first name, last name**

Enter

2. Choose one of the following:
   - Press the **Select** soft key or **Enter** key to save the configuration.
   - Press the **Cancel** soft key to keep existing configurations.

Select or Cancel



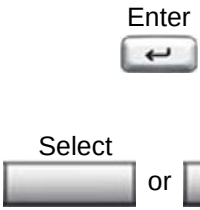
Configuring Live Dial Pad

The **Live Dial Pad** option activates the Primary DN key when you make a call by dialing a phone number on the dialpad without picking up the handset, or pressing the handsfree key.

To configure Live Dialpad, press the **Services** key, select **Telephone Options**, and then select **Live Dial Pad**.

To configure Live Dial pad:

1. Press the **Up/Down** navigation keys to scroll and highlight one of the following:
   - Live Dial Pad: **Off** (Default)
   - Live Dial Pad: **On**



2. Choose one of the following:
   - Press the **Select** soft key or **Enter** key to save the configuration.
   - Press the **Cancel** soft key to keep existing configurations.

Configuring Local Menu options

> ***Note:*** Many of the options discussed in this section are for administrator use only. Do not make any changes unless instructed by an administrator.

Your system administrator can establish a password for the Local Tools menu. When the password is enabled, a password prompt dialog box appears when you attempt to access this menu. If this happens, contact your system administrator.

Your IP Phone 1165E has both local and server-based options. Press the **Services** key twice, or right-click the mouse on the idle screen to access the Local Tools menu, which is organized into the following submenus and can be scrolled through using the left or right navigation keys or the USB mouse.

- “Preferences submenu” on page 76
- “Diagnostics” on page 114
- “Configuration” on page 119
- “Locks” on page 120

If a menu entry has a number in front of it, you can select that entry by pressing the associated key on the dialpad. For example, in the Local Tools' Preference menu, you can choose the Bluetooth Setup item by pressing **4**.

The function of some keys on the IP Phone varies, depending on the situation. The key functions in the menus are described in Table 5.

Table 5: Navigation key functions in the main menu

Key	Function
Left arrow	Navigates to the menu on the left.
Right arrow	Navigates to the menu on the right.
Up arrow	Moves the highlight bar up through the submenu items.

Table 5: Navigation key functions in the main menu

Key	Function
Down arrow	Moves the highlight bar down through the sub menu items.
Enter or **Select** softkey	Enter or Select softkey opens the submenu item.
Exit soft key	Exits the main menu and returns the Display to the Telephony menu.

Table 6 describes the key functions in a dialog box.

Table 6: Navigation key functions in a dialog box

Key	Function
Enter	Opens the list of the highlighted item.
Up arrow	Scrolls the highlight bar up the list.
Down arrow	Scrolls the highlight bar up the list.
Select soft key	Selects the item.
Cancel soft key	Cancels the selection.

Table 7 describes the key functions in the Edit mode.

Table 7: Navigation Key functions in the Edit mode

Key	Function
OK soft key or **Enter** key	Saves the changes and closes the list.
Bkspc soft key	Backspaces a character.
Clear soft key	Clears the input.
Cancel soft key	Quits the list item edit without saving the changes.

Navigation using the USB mouse

If you are using a USB mouse, you can right-click the Telephony screen to open the Local Tools menu, and then click an item to select it. You can navigate through the menu items as follows:

- Clicking the left or right arrows of the main menu moves the selection of the main menu items to the left or right.
- Clicking on a submenu item selects it, and causes a further dialog box or menu to appear.
- Clicking the label of a soft key triggers the function of the soft key.
- Clicking in the blank space of the scroll bar above or below moves the screen up and down.

Submenu dialog attributes

A submenu dialog box has the following attributes:

- The top area displays a cookie crumb title that informs you where you are in the menu structure. When the title is too long for the display, it is truncated on the left.

Navigation using a mouse in a combo box

- Clicking on the value of the item or the arrows of the box on the right side opens the list.
- If the item can be edited, the softkeys change to the edit softkeys; that is, OK, BkSpc, Clear, and Cancel.
- Clicking the left mouse button in the editable item moves the edit cursor position.
- Clicking the left mouse button on the arrows at the right side of the box ends an edit (if editing), selects the current item, and closes the list.

Preferences submenu

The Local Tools menu **1. Preferences** submenu offers the following choices:

- “1. Display Settings” on page 77
- “2. Language” on page 88
- “3. Headsets” on page 89
- “4. Bluetooth” on page 93
- “5. File Manager” on page 105
- “6. Background” on page 113

1. Display Settings

The Display Settings menu provides control of the items related to the display such as the contrast and brightness settings, the duration of the backlight, the color theme used on the IP Phone, and the bolding of the Expansion Module font. You can review the changes in the display before saving them. The following table describes the items in the Display Settings.

Table 8: Display Settings functions (Part 1 of 2)

Tool	Description
Contrast	Sets the contrast of the display.
Brightness	Sets the brightness of the display.
Backlight	Sets the duration for which the backlight remains on when the IP Phone is idle.
Slideshow	Sets the delay time for the slideshow to begin after the IP Phone is idle.
Display Dim Enabled	When the backlight timer expires, the display dims instead of turning completely off.
Theme	Allows the selection of a predefined theme for the display.

Table 8: Display Settings functions (Part 2 of 2)

Tool	Description
Use Theme Background	The background image of the color theme is used instead of a user-provided background. Uncheck this if you want to use a user-provided background.
Use Font Smoothing	Makes the font curves appear smoother. Disabling this can improve the appearance of some language's text on the display.
Use Outlined Font	Changes the telephony screen font of the IP Phone to a white font with black outline. Helps to make the text readable when a user-provided background is enabled.
GEM Bold Font	Controls whether the font in the Expansion Module(s) (GEM) is bolded or not.
Use Simple Icons	Changes the line or feature key icons to ones similar to those on earlier IP Phones.

Note: Changes you make to contrast in this menu are lost if the IP Phone is reset. To avoid losing your changes, Nortel recommends that you use the Contrast Adjustment control in the Telephone Options menu.

Note: Changes to the GEM Bold Font or Use Simple Icons checkboxes can cause the attached Expansion Modules (GEMs) to reset after the **Apply** key is pressed. This is normal and allows the Expansion Modules (GEMs) to refresh the display in a new format.

To adjust the display settings, press the **Services** key twice to open the Local Tools menu. Press the **1** key on the dialpad to select **1. Display Settings**.

Using the Contrast or Brightness settings:

To use the contrast or brightness settings, press the **Services** key twice to open the Local Tools menu. Press the **1** key on the dialpad to select **1. Display Settings**.

Note: To increase the service life of the display:
– set the brightness below 3/4
– avoid using the “Always On” setting of the backlight timer value

1. Press the **Up/Down** navigation keys to choose one of the following:
   - **Contrast**
   - **Brightness**
2. Click the left/right arrow of the indication bar, or use the **Left/Right** navigation keys to adjust the setting.
3. Choose one of the following:
   - Press the **Apply** soft key to save changes.
   - Press the **Cancel** soft key to dismiss the changes.

Setting the Backlight Timeout Value:

To set the backlight timeout value, press the **Services** key twice to open the Local Tools menu. Press the **1** key on the dialpad to select **1. Display Settings**.

1. Press the **Up/Down** navigation keys to choose **Backlight**.
2. Click the left/right arrow of the indication bar, or use the navigation keys to select the timeout value.
   The values are as follows:
   - 5 sec
   - 1 min
   - 5 min
   - 10 min
   - 15 min
   - 30 min
   - 1 hr
   - 2 hr
   - Always on
3. Choose one of the following:
   - Select the **Apply** soft key or the **Enter** key to save changes.
   - Select the **Cancel** soft key to dismiss the changes.

Using the Digital Picture Slideshow:

The new IP Phone 1165E has a digital picture slideshow feature. You can copy or transfer images into the phone, and view a slideshow of them as a screensaver. For more information, refer “Accessing the files on the IP Phone 1165E” on page 105.

To use the digital picture slideshow feature, press the **Services** key twice to open the Local Tools menu. Press the **1** key on the dialpad to select **1. Display Settings**.

1. Select the **Slideshow** settings using the **Up/Down** navigation keys or the USB mouse.
2. Click the **Left/Right** arrow of the indication bar, or use the navigation keys to select the timeout value.
   The values are as follows:
   - 1 min
   - 5 min
   - 10 min
   - 15 min
   - 30 min
   - 1 hr
   - 2 hr
   - Off (default)
3. Choose one of the following:
   - Select the **Apply** soft key or the **Enter** key to save changes.
   - Select the **Cancel** soft key to dismiss the changes.

Using the Backlight Dim feature:

When Display Dim is enabled and the backlight timer expires, the backlight dims to a low level instead of turning off completely.

To use the backlight dim feature, press the **Services** key twice to open the Local Tools menu. Press the **1** key on the dialpad to select **1. Display Settings**.

1. Select the **Display Dim Enabled** settings using the **Up/Down** navigation keys or the USB mouse.
   By default the check box is cleared.
2. Press the **Enter** key or use the USB mouse to toggle the check box.
3. Choose one of the following:
   - Select the **Apply** soft key to save changes.
   - Select the **Cancel** soft key to dismiss the changes.

Setting a theme:

To set a theme, press the **Services** key twice to open the Local Tools menu. Press the **1** key on the dialpad to select **1. Display Settings**.

1. Select the **Theme** setting using the navigation keys or USB mouse.
2. Select a theme using the **Left/Right** navigation keys or the USB mouse.
3. Choose one of the following:
   - Select the **Apply** soft key to save changes.
   - Select the **Cancel** soft key to dismiss the changes.

   Note: You can select the colors of the soft key labels and text for a user-provided background by selecting them from the themes and they will be applied even though the theme is not selected.

Using the Background Theme:

To use the background theme, press the **Services** key twice to open the Local Tools menu. Press the **1** key on the dialpad to select **1. Display Settings**.

1. Select the **Use Theme Background** setting using the navigation keys or USB mouse. By default, the check box is selected.
2. Use the **Enter** key or the USB mouse to clear or select the check box. If you clear the check box, the IP Phone uses the image you have selected or downloaded as the background of the IP Phone display. If you select the check box, the IP Phone uses the color theme background you have selected as the phone display background.
3. Choose one of the following:
   - Select the **Apply** soft key to save changes.
   - Select the **Cancel** soft key to dismiss the changes.

Using Font Smoothing:

To use the font smoothing, press the **Services** key twice to open the Local Tools menu. Press the **1** key on the dialpad to select **1. Display Settings**.

1. Select the **Use Font Smoothing** setting using the **Up** or **Down** navigation keys or USB mouse.
2. Use the **Enter** key or USB mouse to toggle the check box.
3. Choose one of the following:
   - Select the **Apply** soft key to save changes.
   - Select the **Cancel** soft key to dismiss the changes.

Using Outlined Font:

To use the outlined font, press the **Services** key twice to open the Local Tools menu. Press the **1** key on the dialpad to select **1. Display Settings**.

1. Select the **Use Outlined Font** setting using the navigation keys or USB mouse.
2. Use the **Enter** key or USB mouse to toggle the check box.
3. Choose one of the following:
   - Select the **Apply** soft key to save changes.
   - Select the **Cancel** soft key to dismiss the changes.

Using the Expansion Module Bold Font:

Enabling this option bolds the font on the GEM display. Not bolding it may make some text of language appear more clearly.

To use the Expansion Module bold font, press the **Services** key twice to open the Local Tools menu. Press the **1** key on the dialpad to select **1. Display Settings**.

1. Select the **GEM Bold Font** setting using the navigation keys or USB mouse.
2. Use the **Enter** key or USB mouse to toggle the check box.
3. Choose one of the following:
   - Select the **Apply** soft key to save changes.
   - Select the **Cancel** soft key to dismiss the changes.

Using the Simple Icons:

To change the type of icons, press the **Services** key twice to open the Local Tools menu. Press the **1** key on the dialpad to select **1. Display Settings**.

1. Select the **Use Simple Icons** setting using the navigation keys or USB mouse.
2. Use the **Enter** key or USB mouse to toggle the check box:
   - — Enable check box to enable display of traditional icons on Telephony screen.
   - — Clear check box to enable display of new icons on the telephony screen.
3. Choose one of the following options:
   - — Select the **Apply** soft key to save the changes.
   - — Select the **Cancel** soft key to dismiss the changes.

Table 9 compares the new IP Phone 1165E icons to the simple icons. Simple icons are listed under IP Phones 1120E/1140E/1150E graphical grayscale displays column.

Table 9: Standard Nortel Icons (Part 1 of 5)

Free form icon state	IP Phones 1120E/1140E/1150E graphical grayscale displays	IP Phone 1165E icons
I-idle		
U-Idle		
I-Ring		

Table 9: Standard Nortel Icons (Part 2 of 5)

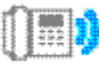
Free form icon state	IP Phones 1120E/1140E/1150E graphical grayscale displays	IP Phone 1165E icons
U-Ring		
I-Active		
U-Active		
I-Hold		
U-Hold		
I-Group Listen		
U-Group Listen		
Feature Active		
Feature Inactive		

Table 9: Standard Nortel Icons (Part 3 of 5)

Free form icon state	IP Phones 1120E/1140E/1150E graphical grayscale displays	IP Phone 1165E icons
I-Hold Ringing		
U Hold Ringing		
Active Audio		
Hold Audio		
Home		
Business		
Extension Number		
Pager		
Voice		

Table 9: Standard Nortel Icons (Part 4 of 5)

Free form icon state	IP Phones 1120E/1140E/1150E graphical grayscale displays	IP Phone 1165E icons
Fax		
Email		
Wireless		
Internet address		
Set-to-Set Message		
Secured		
Trash can		
Inbox		
Outbox		

Table 9: Standard Nortel Icons (Part 5 of 5)

Free form icon state	IP Phones 1120E/1140E/1150E graphical grayscale displays	IP Phone 1165E icons
Video		
Other/Misc.		

2. Language

The Language setting in the **Preferences** menu configures the language used on the IP Phone display.

- The language can also be configured under the **Telephone options** menu. See “Configuring Telephone Options” on page 51.
- To set the language using the **Preferences** menu, press the **Services** key twice to open the **Local Tools** menu and press the **2** key on the dialpad to select **2. Language....**

To select the language using the Language dialog:

1. Press the **Up/Down** navigation keys to scroll and highlight the desired language (for example, German [Deutsche]).

2. Choose one of the following:
   - — Press the **OK** soft key to save the desired language, and return to the **Preferences** menu.
   - — Press the **Cancel** soft key to keep existing configurations.

3. Press the **Exit** soft key to exit to the main display.

3. Headsets

Use the **Headsets** tool to select the headset used on your IP Phone.

To select the headset used in the local menus, press the **Services** key twice to open the Local Tools menu, and then press the **3** key on the dialpad to select **3. Headsets...**

Selecting an Active Headset Device

You can select Active Headset Device as **Wired**, **USB**, or **Bluetooth** using the **Active Headset Device** option. Follow the procedure to select an active headset device.

To select an active headset device

1. Press the **Enter** key to open the **Active Headset device** list.

2. Press the **Up/Down** navigation keys to scroll to one of the following Active Headset Devices:
   - Wired
   - USB
   - Bluetooth

3. Press **Select** for the desire device or press **Cancel** to keep existing configurations

4. Press the **OK** soft key to save the desired headset selection and return to the **Preferences** menu.

   Note: You can select a headset regardless of its connection status. It does not have to be physically connected to the IP Phone 1165E.

Exit

5. Press the **Exit** soft key to exit to the main display.

Enabling a USB headset

For a list of supported headsets that provide acceptable audio performance with the IP Phone 1165E, go to **www.Nortel.com**.

Figure 20: Headset menu item display

To enable a USB headset

Making a change in the **Headset** menu page takes effect immediately.

Note: Press the **Apply** button to make the changes permanent. Press **Exit** to discard any changes.

1. Select USB from the **Active Headset Device** list.
2. Select the **Enable HID Commands** check box to provide full HID for supported headsets.

   Note: The following two steps applies only if the Nortel Headset Adapter is connected. You can select the Headset Type only for the Nortel USB Headset Adapters. If the Nortel USB Headset Adapter is not detected, the Headset Type selection is disabled, and cannot be modified.

3. Select the Headset type from the following list of headsets:

- DuraPlus-B (GN Netcom DuraPlus Binaural Headset)
- DuraPlus-M (GN Netcom DuraPlus Monaural Headset)
- GN2020 (GN Netcom GN2020 NC Monaural Headset)
- GN2100 (GN Netcom GN2100 Monaural Headset)
- GN2115 (GN Netcom GN2115 ST Binaural Headset)
- GN2117 (GN Netcom GN2117 ST Monaural Headset)
- GN2125 (GN Netcom GN2125 NC Binaural Headset)
- GN2220 (GN Netcom GN2220 NC Monaural Headset)
- GN2225 (GN Netcom GN2225 NC Binaural Headset)

You can select and configure a headset type regardless of whether the headset is plugged in or not to the Nortel USB Headset Adapter.

4. Select the **Back Light** check box to control the backlight on the Nortel USB Headset Adapters. This check box is selected by default.
5. Press **Apply** to save the changes and return to the previous menu or press **Exit** to discard any changes and return to the previous menu.

Limitations and advisories

- USB headsets consume power from the USB port in order to operate. The USB port on the IP Phone imposes a limit of only 100mA if PoE (Power over Ethernet)-powered and 500 mA if local AC-powered. The

limit of 100mA is sufficient to power the Nortel USB Headset Adapters.

- USB Audio support does not include stereo audio.
- For the Nortel USB Adapters, it is a requirement that the firmware of this device be V2.0.32 or later.
- For the Algo 4900 USB ATA, it is a requirement that the firmware of this device be v1.00.32 or later.
- The Algo 4900 USB ATA is classified as a high-power device. It can be powered directly by an 1165E IP Phone only if the phone is powered by the AC Adapter. If the IP Phone is powered by PoE then the Algo 4900 USB ATA must be connected through a powered USB hub.

Nortel Mobile Headset Adapter properties

You can use the Nortel Mobile Headset Adapter to answer calls on the IP Phone 1165E.

To access the Nortel Mobile Headset Adapter (MHA) properties (Headset type and Backlight options), press the **Services** key twice to open Local Tools and press the 3 key on the dialpad to select **3.Headsets....**

Note: The Headset type and Backlight options can be modified only when the MHA is attached.

Table 10 describes the features of the Nortel Mobile Headset Adapter.

Table 10: Nortel Mobile Headset Adaptor elements and functions (Part 1 of 2)

Key	Function
Answer key	Press to answer an incoming call. If there is no incoming call, the IP 1165E handset selects a line, and you hear a dial tone. This is also referred to as Off-hook.
Release/Goodbye key	This is also referred to as On-hook.

Table 10: Nortel Mobile Headset Adaptor elements and functions (Part 2 of 2)

Key	Function
Mute key	Press the **Mute** key to listen to the receiving party without transmitting. Press the **Mute** key again to return to two-way conversation.
Volume key	Use the Volume buttons to increase or decrease the volume of the headset.
Backlight	The backlight illuminates when you connect your headset to the IP Phone 1165E.

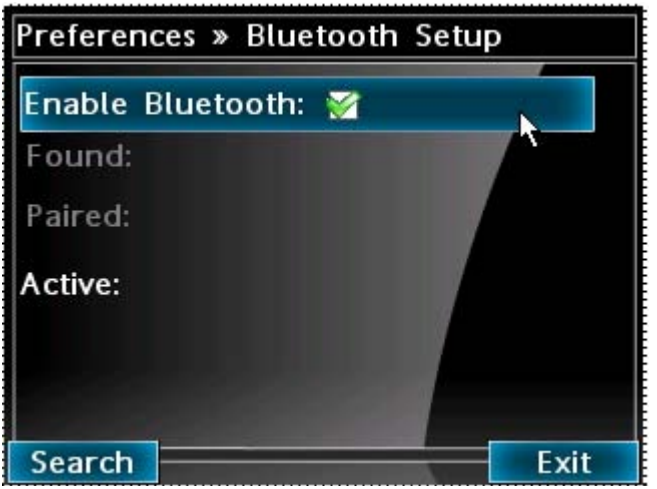
4. Bluetooth

Your IP Phone 1165E is equipped with a radio system to support Bluetooth wireless technology enabled headsets. Double-press the **Headset** key to open the Bluetooth Setup dialog box. You must be familiar with the operation of the navigation keys to work in the Bluetooth Setup dialog box. See the Navigation keys description.

The Bluetooth Setup menu entry is not available on all IP Phones. If the Bluetooth Setup menu entry appears dimmed, or fails to open when you double press the Headset key, the feature is not enabled on your IP Phone. Before you can use a wireless headset with your IP Phone, the feature must be enabled by the system administrator. Contact your administrator to find out if Bluetooth wireless technology functionality is available for your use.

Note: Nortel recommends that you not pair more than one headset of the same model, as they have identical names in the Paired list.

Figure 21: Bluetooth Setup screen



To pair a wireless headset with your IP Phone:

(Headset)

1. Double-press the **Headset** key to open the Bluetooth Setup dialog box.

   The **Enable Bluetooth** check box is highlighted.

   If the Bluetooth Setup menu fails to open when you double press the Headset key, Bluetooth wireless technology feature is not enabled on your phone. Contact your administrator.

2. Press the **Enter** key to activate Bluetooth wireless technology.

   A check mark is displayed on the **Enable Bluetooth** item to indicate that the Bluetooth wireless technology is activated. The message “Bluetooth Enabled” appears at the bottom of the display.

3. Put your Bluetooth wireless technology headset in its pairing or search mode. The procedure for doing this can be different for each headset. Refer to the documentation that accompanied your headset, or contact the vendor.

4. Search devices.

   a. Ensure that your headset is in Pairing or Search Mode.

   b. Press the **Right** navigation key twice, and highlight the **Search** button, displayed next to the Search Devices item.

   c. Press the **Enter** key.

   The message "Searching…." appears. It can take up to two minutes for the search to complete.

   If the search is successful, the message "Search Completed Found Device(s)" appears, and a list of devices that support Bluetooth wireless technology appears in the **Found**: list.

   d. Choose one of the following:

   — If the search is successful, proceed to Step 5.

   — If the search is not successful, the message "Search completed. No device found" appears. If this happens, or if the headset times out and exits search/pairing mode, power off the headset, and repeat Step 3 and Step 4.

     If pairing is still unsuccessful, pair the IP Phone to another wireless headset, or contact the headset vendor.

5. When the name of your headset appears in the Found: box, press the **Stop** soft key or wait for the search to finish. When the search is complete, the message "Search Completed Found Device(s)" appears.

6. Choose one of the following:

- If the name of your headset appears in the **Found**: box, proceed to Step 7.
- If your headset is not displayed in the **Found**: box, select your headset from the list, as follows:

a. Press the **Right** navigation key one or more times to highlight the **Found**: box. Press the **Enter** key to start the edit mode.

b. Press the **Down** navigation key to open the **Found**: list. Press the **Up/Down** navigation keys to scroll and highlight your headset.

c. Press the **Enter** key to select the headset and close the list. Press the **Enter** key to exit edit mode.

7. Press the **Right** navigation key one or more times to highlight the **Pair** button (next to the Pair Device item) and press the **Enter** key.

   a. A dialog box appears, with the prompt "Enter PIN#".

   b. Use the phone dialpad to enter the PIN for the wireless headset and press the **Enter** key.

      Check your headset documentation to find its PIN (sometimes called a passkey). Typically this value is 0000.

8. Choose one of the following:

- If the headset is successfully paired with your IP Phone, proceed to Step 9. To verify that the pairing was successful, ensure that the headset appears in the list next to the Paired: item. If pairing is successful, the message "Pair completed" also appears at the bottom of the screen.
- If the headset is not successfully paired with your IP Phone, an error message appears at the bottom of the screen. If an error message appears:
  - Confirm that the wireless headset is still in search/pair mode.
  - If the headset timed out and exited search/pairing mode, put the headset in pairing mode, as discussed in Step 3 and Step 7.
  - Check that you are using the correct PIN and repeat Step 7.

9. Choose one of the following:

- If the name of your headset appears in the **Paired**: box, proceed to Step 10.
- If more than one device is paired, and the one you wish to use is not shown in the **Paired:** box, navigate to the one you want, as follows:

a. Press the **Right** navigation key one or more times to highlight the **Paired**: box. Press the **Enter** key to start the edit mode.

b. Press the **Up/Down** navigation keys to open the list. Press the **Up/Down** navigations key to scroll in the **Paired**: list and highlight your headset.

c. Press the **Enter** key to select the headset and close the list. Press the **Enter** key to exit edit mode.

10. Choose one of the following:

- If only one headset is paired, proceed to Step 11.
- If more than one wireless headset is paired, the first headset paired is automatically made the active device. To make a different headset active, do the following.

  — Press the **Right** navigation key one or more times to highlight the **Set** button (next to the Set Active Device item).

  — Press the **Enter** soft key.

  The message "Set active: “device name” appears. This means the headset named is now the active headset and is used when you press the headset key.

11. Press the **Exit** soft key to exit to the main display. Changes are saved automatically.

Dual Pairing Headsets

Take special care when using a "dual pairing" type of Bluetooth wireless technology headset, which can be paired to its base as well as to the IP Phone 1165E. If it is paired to both, the IP Phone 1165E is the second device, and the following applies:

Press the headset "telephone" key:

- If a single tone sounds, the headset is connected to the base.
- If a double beep sounds, the headset is connected to the IP Phone 1165E.

If the base is powered off, the headset is only paired to the IP Phone 1165E and pressing the "telephone" key connects you to the IP Phone 1165E.

> ***Note:*** Unless you need to dual pair a headset, operating the headset with the IP Phone 1165E is simpler if the headset is only used with its charging-only base. The desktop IP Phone base should be powered off if it is not in use.

Interaction with wired headsets

If you connect a Bluetooth wireless technology headset and a wired headset to the same IP Phone 1165E, the “Use Bluetooth headset” item switches between the wired headset and the Bluetooth headset. If you select the “Use Bluetooth Headset” check box, the Bluetooth headset provides the audio. If you clear the “Use Bluetooth Headset” check box, the wired headset provides the audio.

The Bluetooth wireless technology headset can work only if it is within range of the IP Phone; as the wireless headset approaches the edge of its radio range, the audio quality degrades and radio interference noise increases. When the wireless headset is in connecting range, the **Headset** key controls the wireless headset, even if a wired headset is attached. If a wireless headset moves out of connecting range, a special beep sounds in the headset indicating the connection was lost.

When you do not want to use your Bluetooth wireless technology headset

If a Bluetooth wireless technology headset is connected, and you want to use the wired headset, you can switch between the two. It is not necessary to unpair or disable the wireless headset.

You can switch between a wired and wireless headset and back again either when the IP Phone is idle or during an active call.

To switch between a wired headset and a wireless headset:

(Headset)

1. Double-press the **Headset** key to open the Bluetooth Setup dialog.

2. Press the **Left/Right** navigation key to select the “Use BT Headset” item.

3. Press the **Enter** key to toggle this option on or off.

   A check mark indicates that the wireless headset is used. Clear the check mark to use a wired headset. This option is on (✓) by default.

To unpair a wireless headset:

(Headset)

1. Double-press the **Headset** key to open the Bluetooth Setup dialog box.

2. Press the **Right** navigation key to select the Paired: item.

3. Choose one of the following:

- If the name of your headset appears in the Paired box, proceed to Step 5.
- If more than one device is paired, and your headset is not already displayed in the Paired box, do the following:

a. Press the **Right** navigation key one or more times to highlight the Paired: box. Press the **Enter** key to open edit mode.

b. Press the **Up/Down** navigation keys to open the list. Press the **Up/Down** navigations key to scroll in the list and highlight your headset.

c. Press the **Enter** key to select the headset and close the box. Press the **Enter** key to exit edit mode.

4. Press the **Right** navigation key one or more times to highlight the UnPair button (next to the UnPair Device item).

5. Press the **Enter** key.

   Your Bluetooth wireless technology headset is unpaired and removed from the Paired: item list.

Your Bluetooth wireless technology headset is no longer paired with your IP Phone, and the wired headset can be used. To use the wireless headset again, you must perform the pairing and activation procedure.

5. File Manager

The File Manager menu item provides access to files on the IP Phone 1165E and access to files on the USB drive, if one is attached. The screen that appears depends on whether a USB drive is attached.

If a USB drive is not attached, a screen appears that lets you browse the contents of the file system on the IP Phone. From this screen you can also delete files that are on the phone. For more information, see “Accessing the files on the IP Phone 1165E” on page 105

If a USB device is attached, a screen appears that lets you browse the contents of the file system on the IP Phone and an attached USB drive. You can copy images to and from a USB drive to your IP Phone. You can delete files from the IP Phone as well as from the USB drive when using the file manager.

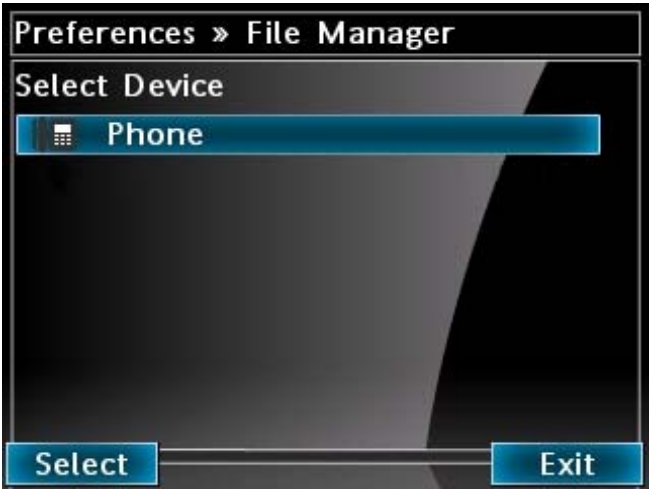
Accessing the files on the IP Phone 1165E

Use the following procedures to access the files on the IP Phone 1165E or an attached USB device.

To access files without USB drive attached to the phone:

1. Select **File Manager** from the **Preferences menu** of the IP Phone 1165E.
2. Highlight the **Phone** directory and click the **Select** soft key.

Figure 22: File Manager Device Selection dialog–no USB device



3. Press the **Up/Down** navigations key to scroll the list, and highlight the folder that you want to access.
4. Do one of the following:

   — Press the **Select** soft key to access the selected folder.

   — Press the **Delete** soft key to delete the contents of the folder. Only the contents within the folder are deleted.

   — Press the **Back** soft key to move up a level in the directory structure or to return to the Device Selection dialog if you are at the top directory.

To access the file with USB drive attached to the phone

1. Select **File Manager** from the **Preferences** menu of the IP Phone 1165E. The screen shows the device selection dialog with the phone and the USB device. See Figure 23 on page 107.

Figure 23: File Manager device selection dialog–with USB device

2. Press the **Up/Down** navigations key to highlight the device (IP Phone or USB drive) that you want to access.
3. Press the **Select** soft key to display the folders/files in the device.
4. Press the **Up/Down** navigation key to scroll through the list, and highlight the files or directory that you want to access on the IP Phone or the USB drive.

   — To send a file to the phone from the USB drive, press the **Send** soft key.To delete a file from the USB drive, highlight the file, and press the **Delete** soft key.

   — To move up a directory level on the device, press the **Back** soft key or highlight "**..**", then press the **Select** soft key. When you are at the root menu, this returns you to the Device Selection dialog.

— To move down a directory level, press the **Select** soft key.

Table 11: Soft key description for attached USB drive

Select	Access the selected folder.
Delete	Appears when file or directory is highlighted. When the Delete is pressed, one of the following occurs, depending on what was highlighted: 1. When a file is selected, you are prompted to delete the file. 2. When a folder is selected on the IP Phone 1165E, you are prompted to delete all contents of the folder. If you do not respond to the deletion prompt, deletion is canceled in 15 seconds. ***Note:*** You cannot delete the folder. 3. When a folder on the USB drive is selected, you are prompted to delete the folder and the contents of the folder. If you do not respond to the deletion prompt, deletion is canceled in 15 seconds.

Table 11: Soft key description for attached USB drive

Send 	Appears only when a file is selected. 1. When a file on the USB drive is selected, you can press Send to copy this file to the IP Phone 1165E. The destination folder is automatically selected based on the type of file. For example, JPG files are sent to the Images folder on the IP Phone 1165E. 2. When a file on the IP Phone 1165E is selected and no USB drive is attached, an error displays on the screen. ***Note:*** Copying files from one location on the phone to another location on the IP Phone 1165E is not supported. 3. When a file on the IP Phone 1165E is selected while a USB drive is connected, you can navigate to the USB folder where you want to copy the file.
Back **Cancel** 	Navigates to the previous directory level. Cancels the operation and returns to the prior dialog.

Sending a file from the phone to the USB drive

Use the following procedure to send a file from the phone to the USB drive.

To send a file from the phone to the USB drive

1. Press the Services key twice to open the Local Tools menu. Press the 5 key on the dialpad to select **File Manager** from the **Preferences** menu of the IP Phone 1165E.

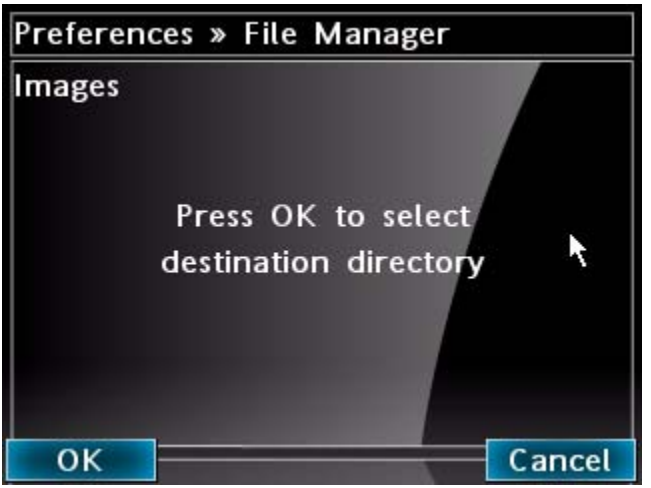
   The screen shows the folders and the USB devices on the phone. See Figure 23 on page 107

2. Browse for and select the file on the phone that you want to send to the USB drive.

3. Press **Send**.

   The Select Destination screen opens. See Figure 24 on page 110.

Figure 24: Select Destination screen



4. Press **OK** to open the destination folder.

   Or

   Press **Cancel** to return to the previous screen.

5. Press the **Up/Down** navigation key to scroll through the list, and highlight the directory on the USB drive where the files are to be copied.

   — To select the current location as the destination, press the **Done** soft key.

— To move up a directory level on the device,.press the **Back** soft key or highlight "**..**", then press the **Select** soft key.

Send Results

When the OK soft key is pressed, the IP Phone attempts to process the selected file.

Figure 25 on page 111 shows a successful send operation.

Figure 25: Successful send operation

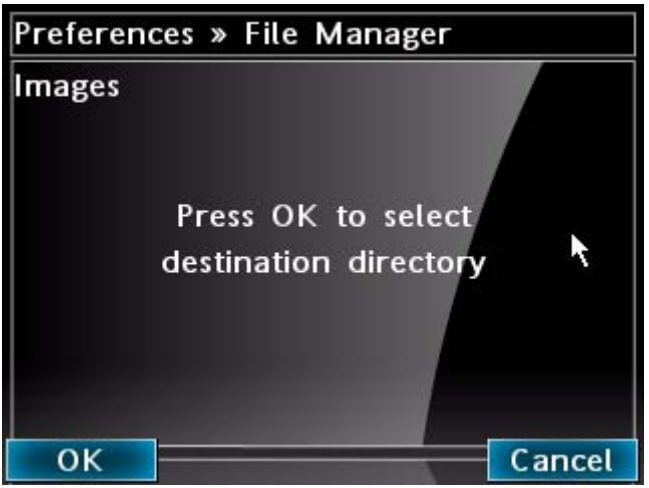
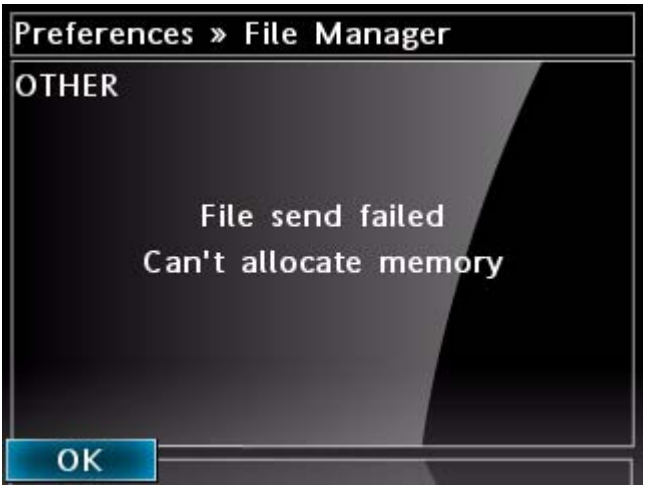


Figure 26 on page 112 shows an unsuccessful send operation.

Figure 26: Failed send operation



Sending an image file from a USB drive to the phone

Use the following procedure to send an image file from the USB drive to the phone.

1. Plug the USB flash drive into the phone's USB port.
2. Press the Services key twice to open the Local Tools menu. Press the 5 key on the dialpad to select **File Manager** from the **Preferences** menu.
3. Select the **USB Flash Drive** device and press the **Enter** key. The device directories/files are displayed.
4. Browse to select the file your image and press the **Send** soft key. You are prompted to send file.
5. Press the **OK** soft key at the confirmation prompt. The image file is copied to the IP phone's Images directory.
6. A success message is displayed explaining that the file has been copied. Press **OK**.

Additional information

This section provides additional information for the File Manager.

- To move up a directory level, press the **Back** soft key or highlight "**..**", then press the **Select** soft key. When you are at the root menu, this returns you to the Device Select dialog
- Based on the file extension, validation routines run to verify, for example, size and free space available.
- Files with unknown extensions are not supported.
- The screensaver and background images must be a 320*240 pixel 24 bit portable network graphic (PNG) or joint photograph experts group (JPEG).
- The image files screensaver must be named screensaverN.png or screensaverN.jpg.
- "In progress…" appears on the screen for actions that take time to complete.

6. Background

The IP Phone 1165E allows the display of user selected background images. This Preferences menu item enables you to browse the currently stored images and select the desired image.

Press the **Services** key twice to open the Local Tools menu. Press the **6** key on the dialpad to select **6. Background**.

Figure 27 on page 114 displays the Background Image screen.

To select an image for the background

Figure 27: Background Image screen

1. From the **Background** menu, press the **Up/Down** navigations key to scroll the list, and highlight the image that you want to appear.

   As you navigate the list, each file image appears in the background as a preview of how it would look as the background image.

2. Press the **Select** soft key.

For more information, See “Using the Background Theme:” on page 82.

Diagnostics

To access the Diagnostics submenu, press the **Services** key twice and then select the **Diagnostics** submenu. The Diagnostics submenu offers the following choices:

- “1. IP Set Information” on page 115
- “2. Network Diagnostic Tools” on page 115
- “3. Ethernet Statistics” on page 115
- “4. IP Network Statistics” on page 115

- “5. USB Devices” on page 115
- “6. Advanced Diag Tools” on page 118
- “7. DHCP Information” on page 118
- “8. License Information” on page 118
- “9. VPN Information” on page 118
- “10. Certificate Information” on page 119

Press the **Return** soft key at any time while working with tools in the Local Diagnostics submenu to return to the Local Diagnostics submenu. Use the **Return** key in this way to quickly gather information and run tests without exiting and reentering the Local Tools menu. For example, you can check the Ethernet Statistics, then press **Return** and enter the Network Diagnostics Tools to ping an IP address.

1. IP Set Information

The Network Configuration tool is used to view reports about IP set and DHCP operation. This tool is for administrator use only.

2. Network Diagnostic Tools

The Network Diagnostic Tools menu contains tools that are used to diagnose network problems. This menu is for administrator use only.

3. Ethernet Statistics

The Ethernet Statistics tool is used to view reports about Ethernet operation. This tool is for administrator use only.

4. IP Network Statistics

The IP Networks Statistics tool is used to view reports about network operation. This tool is for administrator use only.

5. USB Devices

The USB Devices tool provides information about any Universal Serial Bus (USB) devices that you connect to your phone. Your IP Phone 1165E automatically detects USB devices when you connect them to the USB port in the back of the IP Phone.

To check USB device information, press the **Services** key twice to open the Local Tools menu, press the 2 key on the dialpad to select **2. Local Diagnostics**, and press the 5 key on the dialpad to select **5. USB Devices.**

To check USB device information:

The screen displays information about connected devices.

1. Press the **Cancel** soft key to cancel to the main display.

If the USB port has been disabled, no devices are enumerated and the screen displays only that the USB port is disabled, even if USB devices are connected.

Figure 28 on page 117 shows the IP Phone display when the USB port is disabled.

Figure 28: USB Devices—Port Disabled

If the USB port is enabled, then you can attach any USB 1.1 or 2.0-compliant devices to the IP Phone, and the display shows what USB devices are attached to the IP Phone, even if the device is not supported by the IP Phone 1165E, or if the device type is locked. Locked devices do not function on the IP Phone even if they are enumerated.Your administrator selects what USB devices can be used on the IP Phone. If certain USB devices are locked (that is, they cannot be used), then the screen displays that information.

See Figure 29 on page 118 for information on the available locks.

Figure 29: USB Devices—locked devices

6. Advanced Diag Tools

The Advanced Diag Tools are available to the Nortel support organization to configure the auto recovery function and remote access. This tool is for system administrator use only.

7. DHCP Information

The system administrator can use the **DHCP Information** menu to view license information. This menu is for system administrator use only.

8. License Information

You can use License Information menu to view license information. This menu is for administrator use only.

9. VPN Information

The system administrator can use the **VPN Information** menu to view VPN information. This menu is for system administrator use only.

10. Certificate Information

The system administrator can use the **Certificate Information** menu to view certificate information. This menu is for system administrator use only.

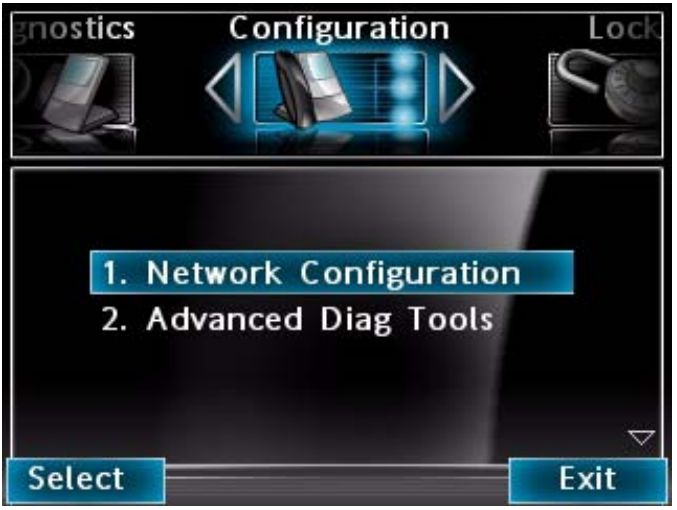
Configuration

To access the Configuration menu, press the **Services** key twice, and then select the Configuration submenu. The Configuration menu offers the following choices:

- “1. Network Configuration” on page 119
- “2. Advanced Diag Tools” on page 120

Figure 30 on page 119 displays the Configuration submenu.

Figure 30: Configuration submenu display



1. Network Configuration

The Network Configuration tool displays information that was configured when the IP Phone was installed. This tool is for administrator use only.

2. Advanced Diag Tools

The Advanced Diagnostics Tool allows you to configure advanced diagnostic tools. This tool is for administrator use only.

Locks

Your system administrator can use the lock menu tool to protect the Local Tools menu items from accidental or unwanted changes. This tool is for administrator use only. The Locks menu offers the following choices:

- “1. Lock menu” on page 120
- “2. USB Locks” on page 121

Figure 31 on page 120 displays the Locks submenu.

Figure 31: Locks submenu display

1. Lock menu

The Lock menu allows the administrator to lock the access of some or all local menu items.

2. USB Locks

USB Access Control (USB Lock) defines how you can use the USB port on the IP Phone. You can completely disable the USB port, or you can enable the USB port for various devices.

If the USB Port is disabled, the USB host controller does not initialize and USB devices are not enumerated. The USB Devices dialog shows only that the USB port is disabled.

USB Lock status can be determined by accessing the Local Tools menu and selecting Locks. This screen is accessed through the Locks menu by selecting “USB Locks”. Only the system administrator can access this menu item when either Full lock or Partial lock is active.

AutoProvision USB Locks

This check box decides whether the USB locks are manually controlled or set by zero touch provisioning feature.

Enable USB Port

This check box allows you to enable or disable the USB port.

Lock USB Mouse

This check box allows you to lock or unlock the USB mouse support.

Lock USB Keyboard

This check box allows you to lock or unlock the USB keyboard support.

Lock USB Headset

This check box allows you to enable or disable the USB headset support.

Lock USB Flash Drive

This check box allows you to lock or unlock the USB flash drive support.

Making a call

This section describes features associated with making a call. You can make a call from your IP Phone 1165E using any of the following:

- “Using Off-hook dialing” on page 122
- “Using On-hook dialing” on page 123
- “Using handsfree dialing” on page 124
- “Using the Directory applications” on page 126
- “Using Predial” on page 129
- “Using AutoDial” on page 130
- “Using Ring Again” on page 131
- “Using Last Number Redial” on page 133
- “Using Speed Call” on page 133
- “Using System Speed Call” on page 134
- “Using HotLine” on page 135
- “Using intercom calling” on page 135

Using Off-hook dialing

Use these steps to make a call by lifting the handset before dialing:

1. Lift the handset.

2. Dial the number.

or

(Goodbye)

3. To terminate the call, choose one of the following:
   - — Return the handset to the cradle.
   - — Press the **Goodbye** key.

Using On-hook dialing

Use these steps to make a call by dialing before lifting the handset:

1. Leave the handset in the cradle.

2493

2. Press the line (DN) key.

3. When the dial tone sounds, dial the number.

4. When the called party answers, lift the handset.

or

(Goodbye)

5. To terminate the call, choose one of the following:
   - — Replace the handset into the cradle.
   - — Press the **Goodbye** key.

Using handsfree dialing

Use handsfree dialing to use a built-in microphone and speaker, or a headset, instead of the handset. While on an active call, you can switch between handset and handsfree mode.

or

1. Choose one of the following:
   - Press the **Handsfree** key.
   - If a headset is connected, press the **Headset** key.

2. Dial the number.

To use a headset:

1. Ensure the headset is connected to the headset jack or the handset jack.

2. Press the **Headset** key.

   If you have a Bluetooth wireless technology headset installed, you can activate it by pressing the button on the headset.

To discontinue a handsfree call:

(Goodbye)

Press the **Goodbye** key.

To mute a handsfree call:

(Mute)

1. Press the **Mute** key. The LED indicator flashes.

(Mute)

2. Press the **Mute** key again to return to a two-way handsfree conversation.

To switch from handsfree to handset mode:

Lift the handset.

To switch from handsfree to headset:

1. Press the **Headset** key.

To release a call:

(Goodbye)

1. Press the IP Phone **Goodbye** key or press the button on the headset, if equipped.

Using the Directory applications

You can make calls using the following Directory applications available on your IP Phone 1165E.

- "Making a call using the Corporate Directory" on page 126
- "Making a call using the Personal Directory" on page 127
- "Making a call using the Callers List" on page 128
- "Making a call using the Redial List" on page 129

Making a call using the Corporate Directory

This feature is not available on all phones. Contact your system administrator to find out if this feature is available for your use.

The Corporate Directory feature provides an alphabetical list of entries using last names. You can search by name, view additional information on each entry, and dial Corporate Directory numbers. To use the Corporate Directory, press the **Directory** key and select **Corporate Directory**.

To search for a specific number:

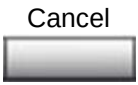
1. When prompted, use the dialpad to enter the desired name in the last name, first name format.

2. Press the **Search** soft key to find the desired name.

   If the search is successful, the first match appears on the screen.

3. Choose one of the following:

   — Press the **Dial** soft key to dial the resulting number.



   — If there is no match to the search query, start a new search or change the information in the initial search.

   — Press the **Cancel** soft key to exit without dialing.

To scroll to a specific number:

1. Press the **Up/Down** navigation keys to scroll and highlight a name in the Corporate Directory.

2. Choose one of the following:

   — Press the **Dial** soft key to dial the resulting number.

   — Press the **Cancel** soft key to exit without dialing.

Making a call using the Personal Directory

The Personal Directory feature allows you to store a maximum of 100 entries consisting of names and numbers. To use the Personal Directory, press the **Directory** key and select **Personal Directory**. For more information on how to configure and use the Personal Directory, refer to "Using the Personal Directory" on page 175.

To make a call using the Personal Directory:

1. Press the **Up/Down** navigation keys to scroll and highlight a name in the **Personal Directory**.

2. Choose one of the following:

— Press the **Dial** soft key to dial the resulting number.

— Press the **Cancel** soft key to exit without dialing.

Making a call using the Callers List

The Callers List feature automatically stores up to a maximum of 100 callers. After 100 callers have been stored, each additional caller overwrites the oldest entry. To use the Callers List, press the **Directory** key and select **Callers List**. For information on how to configure and use the Callers List, see "Using the Callers List" on page 178.

To make a call using the Callers List:

1. Press the **Up/Down** navigation keys to scroll and highlight a name in the **Callers List**.

   Note: If the caller name is not defined, then only the telephone number is displayed.

2. Choose one of the following:

— Press the **Dial** soft key to dial the resulting number.

— Press the **Cancel** soft key to exit without dialing.

Making a call using the Redial List

The Redial List feature automatically stores a maximum of 20 previously dialed IP Phone numbers. To use the Redial List, press the **Directory** key and select **Redial List**. For information on how to configure and use the Redial List, see "Using the Redial List" on page 180.

To make a call using the Redial List:

1. Press the **Up/Down** navigation keys to scroll and highlight a name in the **Redial List**.

   Note: If the caller name is not defined, then only the telephone number is displayed.

2. Choose one of the following:

   — Press the **Dial** soft key to dial the resulting number.

   — Press the **Cancel** soft key to exit without dialing.

Using Predial

Use the Predial feature to enter, preview, and edit numbers before dialing.

To use Predial:

1. Without selecting the line key, enter the number to be dialed.

2. Press a line key to dial the number.

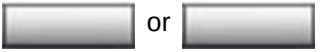
3. Lift the Handset when the called party answers or, if in handsfree mode, begin to speak.

To edit a Predial number:

1. Use the dialpad to enter the number.

2. Choose one of the following:

Clear or Delete



— To erase all numbers, press the **Clear** soft key. Re-enter the numbers to be dialed.

— To change one number at a time, press the **Delete** soft key to backspace. Re-enter the number.

2498

3. Press a line key to dial the number.

Using AutoDial

Use the AutoDial feature to display, store, and automatically dial phone numbers.

To store an AutoDial number:

Autodial

1. Without lifting the handset, press the appropriate **AutoDial** key.

   The screen displays the word Autodial next to the appropriate key.

2. Using the dialpad, dial the phone number (including access code) to be stored on the selected **AutoDial** key.

Autodial

3. Press the **AutoDial** key a second time to store the number on the selected key.

   After you store a number, the word Autodial disappears, and the stored number appears.

4. Assign a label to the key.

   After you assign the label, the number disappears and only the label appears on the screen next to the key.

To use AutoDial:

1. Lift the handset.

Autodial

2. Press an **AutoDial** key in the upper display area to dial the number associated with that key.

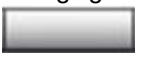
Using Ring Again

Use the Ring Again feature if you receive a busy tone, or if there is no answer. Your IP Phone rings when the person you called becomes available. Ring Again automatically redials the number.

To activate Ring Again:

1. Dial a number and receive a busy tone or no answer.

RingAgn



or

2. Choose one of the following:
   - Press the **RingAgn** soft key.
   - Enter the **Ring Again Activate** FFC.

To call a Ring Again party when you receive notification:

1. After receiving the notification ring, lift the handset, or, if you are using the headset or in handsfree mode, go to Step 2.

>RingAgn

2. Press the **RingAgn** soft key to automatically dial the number.

To deactivate Ring Again before notification:

>RingAgn

or

Choose one of the following:

- Press the **RingAgn** soft key a second time.
- Press the **Ring Again Deactivate** FFC.

Using Last Number Redial

Use the Last Number Redial feature to automatically redial the last dialed number.

To use Last Number Redial:

or

Choose one of the following:

— To redial using the handset:

a. Lift the handset.

b. Press the line (DN) key.

— To redial without lifting the handset, press the line (DN) key twice (the last number dialed is automatically redialed).

Using Speed Call

Use the Speed Call feature to place internal and external calls by dialing a one-, two-, or three-digit code to store, edit, and automatically dial frequently called phone numbers.

To store a Speed Call number:

1. Press the **Speed Call Controller** soft key. The triangular icon flashes, indicating programming mode.

2. At the prompt:
   - — Enter a one-, two-, or three-digit code (0-999).
   - — If required, dial the access code.
   - — Enter the phone number (internal, external, or long-distance number).

3. Press the **Speed Call Controller** soft key again to save the code and number. The flashing icon turns off.

To make a Speed Call:

1. Lift the handset.

2. Press the **Speed Call Controller** soft key.

3. Dial the **Speed Call** code to automatically dial the number.

Using System Speed Call

Use the System Speed Call feature to dial Speed Call codes that override dialing restrictions placed on your IP Phone.

To make a System Speed Call:

1. Lift the handset.

SScUsr or SScCtl

2. Choose one of the following:
   - Press the **System Speed Call** soft key.
   - Press the **System Speed Call Controller (SScCtl)** soft key.

3. Dial the **Speed Call** code to automatically dial the number.

Using HotLine

Use the HotLine feature to automatically dial a specific number.

To use HotLine:

Hotline

Press the **HotLine** soft key to automatically dial the number.

Using intercom calling

Use the Intercom feature to call a member of your intercom group by pressing the code assigned to each member.

To make an intercom call:

1. Lift the handset.

Intrcm

2. Press the **Intercom** key.

3. Dial the one- or two-digit code for the desired intercom group member.

To answer an intercom call while on a line other than your intercom group line:

(Hold)
or

(Goodbye)

1. Choose one of the following keys:
   - Press the **Hold** key to put the current call on hold.
   - Press the **Goodbye** key to end the call.

Intrcm

2. Press the **Intercom** key and begin to speak.

Answering a call

Each incoming call causes the IP Phone to ring, the LCD indicator beside the line (DN) key to flash, and the Message Indicator lamp to flash.

To answer a call:

Choose one of the following four options:

- Lift the handset.

or

- Press the **Handsfree** button located on the left side of the IP Phone.

or

- Press the line (DN) key beside the LCD indicator as it flashes.

or

- Press the **Headset** key if a headset is connected to your IP Phone.

While on an active call

You can use the following features during an active call:

- “Placing a call on hold” on page 138
- “Transferring a call” on page 139
- “Using Timed Reminder Recall” on page 140
- “Using Attendant Recall” on page 141
- “Using Call Park” on page 141
- “Recording a Calling Party Number” on page 144
- “Displaying incoming calls” on page 144
- “Tracing a malicious call” on page 145

Placing a call on hold

Use the Hold feature when you are talking on one line and another call arrives on a second line. To retain the original call, put it on hold and then answer the second call.

To place a call on hold:

(Hold)

Press the **Hold** key. The LCD indicator flashes beside the line on hold.

Note: If **Automatic Hold** is enabled, the active call is automatically put on hold when you answer the second call.

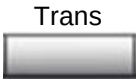
To retrieve a call on hold:

Press the line (DN) key beside the flashing LCD indicator.

Transferring a call

Use the Transfer feature to redirect a call to the appropriate person.

To transfer a call to a third party:



1. Press the **Transfer** soft key. The other party is put on hold and a dial tone sounds. The LCD indicator light flashes steadily.

2. Dial the DN number to which you are transferring the call or use the **Personal Directory**, **Redial List**, or **Callers List** to select a number to dial.

3. When that number rings or a person answers, press the **Transfer** soft key to connect the calling party.

To return to the original call if the transfer is incomplete:

If the person called is not available, press the line (DN) key (next to the LCD indicator) to reconnect to the original call.

Using Timed Reminder Recall

Use the Timed Reminder Recall feature to receive a reminder tone when a transferred call is not answered.

To use Timed Reminder Recall:

1. Press the **Transfer** soft key. The call is put on hold.

2. Dial the number to which you are transferring the call.

or

3. Choose one of the following to start the recall timer:
   - Press the **Transfer** soft key.
   - Replace the handset before the extension answers.

   If the transfer is complete, the recall timer stops.

If the transferred call is not answered, your IP Phone rings:

1. Lift the handset to reconnect to the original caller.

Trans

or

(Goodbye)

2. Choose one of the following:
   - — Press the **Transfer** soft key and repeat the transfer.
   - — If the transfer is picked up while you are on the line, press the **Goodbye** key to complete the transfer.

Using Attendant Recall

Use the Attendant Recall feature to contact an attendant during a call and to connect the caller to the attendant.

To contact the attendant while on a call:

AttRcl

1. Press the **Attendant Recall** key and stay on the line until the attendant answers.

(Goodbye)

2. Press the **Goodbye** key. The caller remains connected to the attendant.

Using Call Park

Use the Call Park feature to hold temporarily (park) and retrieve a call from any IP Phone. Using Call Park does not tie up a line. When configured network-wide, Call Park can be used across networks. A System Park extension can be configured to automatically park most calls.

To park a call on the System Park DN or your own DN:

During an active call, press the **Park** soft key twice.

The call is parked on your DN unless a **System Park DN** is enabled to automatically park calls on the system.

To park a call on a DN other than the System Park DN or your own DN:

1. Press the **Park** soft key.

2. Dial the DN where you want to park the call.

3. Press the **Park** soft key.

To park a call using the SPRE code or FFC:

1. Choose one of the following:
   - Press the **Transfer** soft key.
   - Press the **Conference** soft key.

2. Dial the **Call Park** FFC.

3. To use an alternate DN from the **System Park** DN or your own DN, dial the DN where you want to park the call. Otherwise, proceed to Step 4.

4. Choose one of the following:

— Press the **Transfer** soft key.

— Press the **Conference** soft key.

To retrieve a parked call:

1. Lift the handset.

2. Press the **Park** soft key.

3. Dial the DN where you parked the call.

   If a parked call is not retrieved within a specified period of time, it rings back to your IP Phone or to the attendant.

Recording a Calling Party Number

Use the Calling Party Number feature to record a caller number, or to charge a call to an account number, during an established call.

To record a caller number for accounting purposes:

1. Press the **More…** soft key after answering the incoming call.
2. Press the **CParty** soft key.

Note: The caller is placed on hold.

3. Dial a charge account number or the caller number.

Note: For information on using the **Charge** soft key, see “Charging a call or charging a forced call” on page 165.

4. Press the **CParty** soft key to return to the call.

Displaying incoming calls

Use the Display feature to display a second incoming caller number and name (if available) during an active call, without interfering with the call in progress.

To view the information on an incoming call while on a call in progress:

1. Press the **Display** key.

2. Press the flashing line (DN) key. The call waiting information appears.

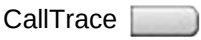
   If you are using another feature key, you can use the **Display** key to access information associated with those feature keys.

Tracing a malicious call

Use the Call Trace feature to trace nuisance calls within your system.

This feature is not enabled on all IP Phone 1165Es. Contact your system administrator to configure this feature on your IP Phone.

To use Call Trace while on a call:



Press the **Call Trace** key.

To use Call Trace without a Call Trace key:

1. Choose one of the following:
   - Press the **Transfer** soft key.
   - Press the **Conference** soft key.

2. Dial the **SPRE code** followed by **83** or dial the **Call Trace** FFC to automatically reconnect.

Incoming calls

You can use the following features when you have an incoming call:

- "Using Automatic Answerback" on page 146
- "Using Call Pickup" on page 146
- "Using Call Waiting" on page 148

Using Automatic Answerback

When the Automatic Answerback feature is active, your IP Phone automatically answers in Handsfree mode after one ring; however, calls are *not* forwarded to the voice message service.

To activate Automatic Answerback:

AutoAns Press the **Automatic Answerback** key.

To deactivate Automatic Answerback:

AutoAns Press the **Automatic Answerback** key again.

Using Call Pickup

Use the Call Pickup feature to pick up calls from any IP Phone in your pickup group or another pickup group.

To answer a call in your own call pickup group:

1. Lift the handset.

Pickup

or

2. Choose one of the following:
   — Press the **Pickup** key.
   — Enter the **Pickup Ringing Number** FFC.

To answer an incoming call in another call pickup group:

1. Lift the handset.

GrpPkp

2. Choose one of the following:
   — Press the **Group Pickup** soft key.
   — Enter the **Pickup Group** FFC.

3. Dial the pickup group number of the ringing IP Phone.

To answer a call at a specific extension in any pickup group:

1. Lift the handset.

Pickup

or

2. Choose one of the following:
   — Press the DN **Pickup** key.
   — Enter the **Pickup Directory Number** FFC.

3. Dial the DN of the IP Phone that is ringing (and that is not in your call pickup group). If the pickup DN or group number is invalid (an overflow burst tone sounds and the screen displays *Goodbye and try again)*, press the **Goodbye** key.

Using Call Waiting

The Call Waiting feature alerts you to an incoming call by producing a tone. It also puts the current call on hold while you answer the new call.

To answer an incoming call while on another call:

(Hold)

1. When the incoming call tone sounds, press the **Hold** key to put a current call on hold.

   If **Automatic Hold** is enabled, you do not need to press the **Hold** key.

CallWait

2. Press the **Call Waiting** key.

To return to the first IP Phone call:

(Hold)
or

(Goodbye)

1. Choose one of the following:
   - Press the **Hold** key to put the second call on hold.
   - Press the **Goodbye** key to end the second call.

2. Press the line (DN) key associated with the first call.

If you do not have a Call Waiting key:

(Goodbye)

1. Press the **Goodbye** key to end the current call.

2. Press the line (DN) key beside the flashing status icon to answer the incoming call.

While away from your desk

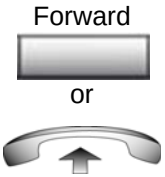
You can use the following features when you are away from your desk:

- “Using Call Forward” on page 150
- “Using Internal Call Forward” on page 151
- “Using Remote Call Forward” on page 152
- “Securing your IP Phone” on page 154

Using Call Forward

Use the Call Forward feature to direct incoming calls to ring on another line (DN). If the IP Phone is in the process of ringing, the call cannot be forwarded.

To forward your calls or change the forward number:

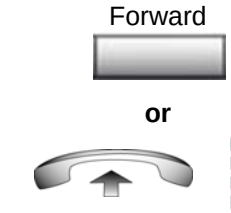


1. Choose one of the following:
   - Press the **Forward** soft key.
   - Lift the handset and enter the **Call Forward All Calls Activate** FFC.

2. Dial the DN where you want to forward your calls.

3. Press the **Forward** soft key.

To deactivate Call Forward:



Choose one of the following:

- Press the **Forward** soft key.
- Lift the handset and enter the **Call Forward All Calls Deactivate** FFC.

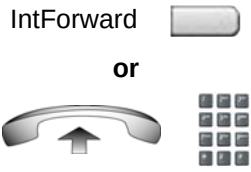
To reinstate Call Forward to the same number:

Press the **Forward** soft key twice.

Using Internal Call Forward

Use Internal Call Forward to accept only calls originating at internal DNs to ring at another DN. Calls originating outside your IP Phone system still ring at your IP Phone. Current incoming calls cannot be forwarded.

To forward internal calls:



1. Choose one of the following:
   - — Press the **Internal Call Forward** key.
   - — Lift the handset and enter the **Internal Call Forward Activate** FFC.

2. Dial the DN to which you are forwarding your internal calls.

IntForward

3. Press the **Internal Call Forward** key.

To deactivate Internal Call Forward:

IntForward

or

Choose one of the following:

— Press the **Internal Call Forward** key.

— Lift the handset and enter the **Internal Call Forward Deactivate** FFC.

To reinstate Call Forward to the same number:

IntForward

IntForward

Press the **Internal Call Forward** key twice.

Using Remote Call Forward

Use the Remote Call Forward feature (from any IP Phone other than your own) to forward calls to any IP Phone.

To activate Remote Call Forward:

1. Lift the handset.

2. If you are calling from an IP Phone outside the system, dial your direct system access number and wait for the dial tone.

3. Dial the **Remote Call Forward Activate** FFC to activate the feature.

4. Dial your **Station Control Password**. A dial tone sounds.

or

5. Choose one of the following:
   - Dial your DN.
   - To forward calls to the previous call forward phone number, press the # key. (Do not perform Steps 6 and 7.)

6. Dial the number to which you are forwarding calls. If calls are forwarded to an invalid number, a fast busy signal sounds.

7. Press the # key.

To deactivate Remote Call Forward:

1. Lift the handset.

2. If you are calling from an IP Phone outside the system, dial the **direct system access** number and wait for the dial tone.

3. Dial the **Remote Call Forward Deactivate** FFC.

4. Dial your **Station Control Password**.

5. After you hear the dial tone, dial your DN.

6. Press the # key.

Securing your IP Phone

Use the Electronic Lock feature to prevent others from making calls from your IP Phone. The Electronic Lock feature is controlled using your Station Control Password (SCPW). To change your Station Control Password, refer to “Security features” on page 23.

To lock your IP Phone:

1. Lift the handset.

2. Dial the **Electronic Lock Activate** FFC.

3. Dial your **Station Control Password**.

(Goodbye)

or

4. Choose one of the following:
   - If dialing locally, press the **Goodbye** key.
   - If dialing the FCC remotely, dial your DN.

To unlock your IP Phone:

1. Lift the handset.

2. Dial the **Electronic Lock Deactivate** FFC.

3. Dial your **Station Control Password**.

(Goodbye)

or

4. Choose one of the following:
   - If dialing locally, press the **Goodbye** key.
   - If dialing the FCC remotely, dial your DN.

Talking with more than one person

Use the following features to enable conversations between more than two people:

- “Using the Call Join feature” on page 156
- “Setting up a conference call” on page 156
- “Using Conferee Selectable Display” on page 158
- “Using Group Call” on page 159

Using the Call Join feature

Use the Call Join feature to connect a call to a current active call. This connection creates a conference between the two callers and yourself.

To connect a call on hold (on a different line) to your current call:

1. Press the **Conference** soft key.

2. Press the line key that has the number of the caller you want to connect to your current call.

3. Press the **Conference** soft key to join the person on hold to your conversation.

Setting up a conference call

Use the Conference feature to set up a conference call for a maximum of three or six people, including yourself. The maximum number of people the conference feature supports depends on the configuration of your IP Phone.

To set up a conference call:

1. While on a call, press the **Conference** soft key to place the party on hold. You hear a dial tone.

2. Dial the number of the person you want to add to the conference call. You can talk privately to the person you are adding at this time.

   Note: Instead of dialing a number, you can press the **Directory** key, and use the **Corporate Directory** or **Personal Directory**, **Redial List**, and **Callers List** to find and dial the number of the person you want to add to the conference call.

3. Press the **Conference** soft key a second time to conference all parties together.

   Note: You can talk to either party privately, press the **Incalls** key to talk to the originator or press the **Conf** key to talk to the transfer number. Alternating between these two keys alternates between the two parties. This needs to be done before pressing the Conf key twice.This also assumes **AHA CLS - Automatic Hold**, is enabled on the handset.

If the person you attempt to add to the conference is unavailable:

(Goodbye)

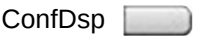
1. Press the **Goodbye** key.

2. Press the line (DN) key beside the flashing status icon to return to your original call.

Using Conferee Selectable Display

Use the Conferee Selectable Display feature to list active conferees and disconnect a conferee from the conference call.

To view active conferees:



1. While on a conference call, press the **Conferee Selectable Display** key to turn on the LCD indicator. Each key press changes the screen to show a different active conferee.

   This action has no effect on the display of other IP Phones involved in the conference.

(Goodbye)

2. Press the **Goodbye** key. If configured, the **Conference Count Display** returns an updated total count of conferees. The LCD indicator turns off.

To disconnect a conferee:

1. While on a conference call, press the **Conferee Selectable Display** key until the conferee you want to disconnect appears on the screen.

2. Press the **DN** key on which the conference call is established.

(Goodbye)

3. Choose one of the following:
   - For a single conferee, press the **Goodbye** key. If configured, the **Conference Count Display** returns an updated total count of conferees. The LCD indicator turns off.
   - For multiple conferees, repeat Steps 1 and 2 until all conferees are disconnected. Then press the **Goodbye** key.

Using Group Call

Use the Group Call feature to automatically call members of a predefined group, one at a time, until all members answer.

To call group members:

1. Lift the handset.

2. Press the **Group Call** key or enter the **Group Call FFC**.
   - The feature automatically calls all group members. The icon flashes until all members answer.
   - The phone numbers of the group members appear on the display as they answer. When the last person answers, the **Group Call** indicator lights steadily.

— When a person in your group is on a conference call or another group call, they are not connected to your group call.

— After everyone in the group has answered, only the person who made the group call can put the call on hold.

To answer a group call:

1. Lift the handset. Note the following about notification tones:

   — If you are on a call and receive three 10-second tones, this is the notification of a group call on your current extension.

   — If you are on a call on another line when a group call is made, you receive a long tone through the handset or speaker.

   — If you are already on a conference call or another group call, you do not receive notification of a group call.

To end a group call:

(Goodbye)

Press the **Goodbye** key.

Note: When the person who made the group call disconnects, the call terminates for all members of the group. However, the members of the group call can disconnect from the call and not affect other members on the call.

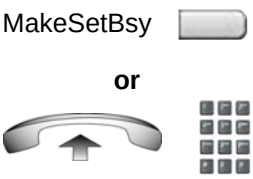
Working without interruption

This section describes features that provide uninterrupted work time.

Using Make Set Busy

Use the Make Set Busy feature to make your IP Phone appear busy to all callers.

To activate Make Set Busy:

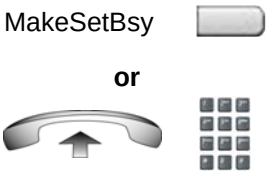


Choose one of the following:

— Press the **Make Set Busy** key.

— Lift the handset and enter the **Make Set Busy Activate** FFC.

To deactivate Make Set Busy:



Choose one of the following:

— Press the **Make Set Busy** key a second time to deactivate the feature.

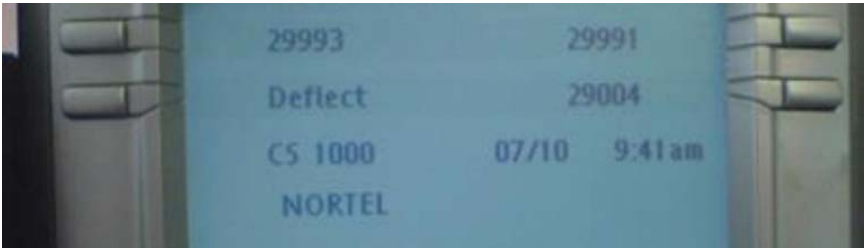
— Lift the handset and enter the **Make Set Busy Deactivate** FFC.

Call Deflect

If Call Deflect is configured on your IP Phone, you can press the **Deflect** feature key to deflect your call if your IP Phone rings and you do not want to answer the call. The call may be forwarded to your voice mail or to another telephone number, depending on your system configuration.

Contact your system administrator to learn which treatment is configured for your IP Phone.

Figure 32: Call Deflect key



If you press the **Deflect** key and no special call treatment has been configured, your caller receives a busy signal.

Additional call features

Contact your system administrator to determine if the following call features are available on your IP Phone.

- "Using AutoDial Transfer" on page 163
- "Using the Buzz signal" on page 164
- "Using Call Page Connect to make an announcement" on page 164
- "Using Centrex/Exchange Line Switchhook Flash" on page 165
- "Charging a call or charging a forced call" on page 165
- "Using Enhanced Override" on page 168
- "Using Forced Camp-on feature" on page 169
- "Overriding a busy signal" on page 170
- "Using Privacy Release" on page 171
- "Using Radio Page" on page 172
- "Using Voice Call" on page 174

Using AutoDial Transfer

Use the AutoDial Transfer feature to transmit digits through your AutoDial key to the Central Office after a Trunk Switchhook Flash. You must be on a Central Office/Exchange (CO) trunk call from or to a CO that offers Centrex or exchange line-type features.

To use AutoDial Transfer when picking up an incoming trunk call:

CentrexSHF

1. Press the **Centrex Switchhook Line Flash** key and wait for an interrupted dial tone.

Autodial

2. Press the **AutoDial** key to call the number desired.

(Goodbye)

3. Press the **Goodbye** key to end the call.

Using the Buzz signal

Use the Buzz feature to notify another person of a call, a visitor, or a request. Two IP Phones that are linked together enable one person to signal the other. The person signaled hears a buzz.

To buzz the IP Phone linked to your IP Phone:

Buzz

Press the **Buzz** key.The IP Phone linked to your IP Phone buzzes as long as you press the key.

Using Call Page Connect to make an announcement

Use the Call Page Connect feature to make an announcement over a paging system. 162

Note: A **Page** key on an attendant console overrides and disconnects the IP Phones. The IP Phones must reaccess the page trunk.

To connect to Call Page:

1. Lift the handset.

2. Dial the **Page Trunk Access Code** to complete the connection to the page system.
3. Make your announcement.

(Goodbye)

4. Press the **Goodbye** key.

Using Centrex/Exchange Line Switchhook Flash

Use the Centrex/Exchange Line Switchhook Flash feature during an established call to use a Centrex service, such as Call Transfer or Three-Way Calling.

To use Centrex/Exchange Line Switchhook Flash:

CentrexSHF

1. While on a call, press the **Centrex Line Switchhook Flash** key. A special dial tone sounds.

2. Dial the codes for your custom **Centrex** feature.

(Goodbye)

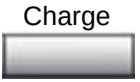
3. Press the **Goodbye** key to end the call.

Charging a call or charging a forced call

Use the Call Charge feature to charge a call to a specific account. The Forced Charge feature charges long-distance calls from an IP Phone restricted to local calls.

To charge a local or long-distance call to an account before you dial:

1. Lift the handset.



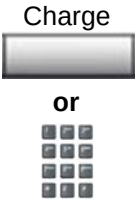
2. Choose one of the following:
   - Press the **Charge** soft key.
   - Dial the **Call Detail Recording** FFC.

3. Dial the charge account number.

4. When the dial tone sounds, dial the number.

To charge a call in progress:

1. Choose one of the following:
   - Press the **Transfer** soft key.
   - Press the **Conference** soft key.



2. Choose one of the following:
   - Press the **Charge** soft key.
   - Dial the **Call Detail Recording** FFC.

3. Dial the charge account number.

4. Press the line (DN) key to return to the call.

To charge a call to an account when you transfer a call:

Trans

1. Press the **Transfer** soft key. The call is placed on hold.

Charge

or

2. Choose one of the following:
   - Press the **Charge** soft key.
   - Dial the **Call Detail Recording** FFC.

3. Dial the charge account number.

4. After the dial tone, dial the number to which you are transferring the call.

Trans

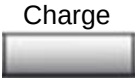
5. Press the **Transfer** soft key when you hear the IP Phone ring.

   You can talk privately to the person at the transfer number before you press the **Transfer** soft key.

To charge a call to an account when you add someone to a conference call:

Conf

1. Press the **Conference** soft key. The call is placed on hold.



or

2. Choose one of the following:
   - Press the **Charge** soft key.
   - Dial the **Call Detail Recording** FFC.

3. Dial the charge account number.

4. Dial the number of the person you want to add to the conference.

5. Press the **Conference** soft key.

   Note: You can talk to either party privately, press the **Incalls** key to talk to the originator or press the **Conf** key to talk to the transfer number. Alternating between these two keys alternates between the two parties. This needs to be done before pressing the Conf key twice.This also assumes **AHA CLS - Automatic Hold**, is enabled on the handset.

Using Enhanced Override

Use the Enhanced Override feature to override an active call after you attempt a Forced Camp-on. Use Enhanced Override to make a call or a consultation call, such as placing a call on hold and calling another party.

To use Enhanced Override:

You receive a busy signal after dialing a phone number.

1. Choose one of the following:

EnhOvr

or

— Press the **Override** key.

— Enter the **Override** FFC to initiate a Forced Camp-on.

If either person on the call disconnects at this time, you receive an overflow (fast busy or engaged) signal.

2. Choose one of the following:

EnhOvr

or

— Press the **Override** key again.

— Enter the **Override** FFC again.

The other two people on the call receive an override tone and a conference call is established between the three of you. If anyone disconnects, the other two people remain connected.

(Goodbye)

3. To terminate the call, press the **Goodbye** key.

Using Forced Camp-on feature

Use the Forced Camp-on feature to automatically ring another IP Phone (internal or external) immediately after that IP Phone disconnects from its current call.

To use Forced Camp-on:

You receive a busy signal after dialing a phone number.

EnhOvr

or

1. Choose one of the following:
   - — Press the **Override** key.
   - — Enter the **Override** FFC to initiate a Forced Camp-on.

   The person you called receives a tone. You receive a ring signal or a busy signal, depending on the options chosen. You are now camped-on to the number you dialed.
2. Return the handset to the cradle.
3. When the person you called finishes the call, your IP Phone automatically dials the number and both IP Phones ring.

Answering a call camped-on to your extension:

When your IP Phone rings, lift the handset.

You can program your IP Phone for either Camp-on or Call Waiting, but not both.

Overriding a busy signal

Use the Override feature to override a busy signal and interrupt another call.

To override a busy signal:

1. You receive a busy signal after dialing a phone number.

2. Choose one of the following:

EnhOvr

or

— Press the **Override** key.

— Enter the **Override** FFC. The people in the targeted call receive a tone for approximately 1 second. After the Override feature joins you to the call, a short tone repeats every 16 seconds.

(Goodbye)

3. To terminate the call, press the **Goodbye** key.

Using Privacy Release

Use the Privacy Release feature to enable one or more people who share your DN to join a call.

To use Privacy Release in an established state:

PrvRls

Press the **Privacy Release** soft key during a call. People can join the call by pressing the shared number (DN) key on their IP Phone (Multiple Appearance DN feature).

Using Radio Page

Use the Radio Page feature to page a person and stay on the line until they answer. The paged person answers the call after entering a special Page Meet-me code from any IP Phone.

To use Automatic Preselection (Meet-me page):

1. Lift the handset.

2. Dial the **Radio Paging Access** FFC. The paging tone sounds (two beeps followed by a dial tone).

3. Dial the number of the party you want to page. After dialing, the ringback tone sounds.

   The paged person can use any IP Phone to enter a **Radio Paging Answer** FFC, plus their own DN number.

(Goodbye)

or

4. If your call goes unanswered for a preset time period and a 15-second high-pitched tone sounds followed by silence, press the **Goodbye** key or replace the handset.

To use Automatic Post-selection:

The called party is either busy on the IP Phone or away from their desk. To page the called party, you do not need to redial the number of the called party.

RadPag

1. Press the **Radio Page** soft key. A special dial tone sounds.

2. Dial the **Radio Paging Access** FFC. The ringback tone sounds.

   The paged person can use any IP Phone to enter a **Radio Paging Answer** FFC, plus their own DN number.

(Goodbye)

or

3. If your call goes unanswered for a preset time period and a 15-second high-pitched tone sounds, followed by silence, press the **Goodbye** key or replace the handset.

To answer a Radio Page:

If you carry a Radio Pager, a page indicates that someone dialed your DN. If the Radio Page system is configured to function in Meet-me mode, you can answer the page call from any IP Phone.

1. Lift the handset.

2. Dial the **Radio Page Answer** FFC. The paging tone sounds.

3. Dial your own DN to connect to the paging caller. If the caller has disconnected, a steady high-pitched (number unavailable) tone sounds.

Using Voice Call

Use the Voice Call feature to make an announcement through someone else's IP Phone speaker.

To make a voice call:

1. Lift the handset.

VceCall

2. Press the **Voice Call** key and make the announcement.

(Goodbye)

3. Press the **Goodbye** key.

To respond to a voice call:

Your IP Phone rings once and the caller's voice transmits through your speaker. Lift the handset.

Additional phone features

The following features are described in this section:

- “Using the Personal Directory” on page 175
- “Using the Callers List” on page 178
- “Using the Redial List” on page 180
- “Using Virtual Office” on page 182
- “Using Media Gateway 1000B” on page 192

Using the Personal Directory

Use the Personal Directory feature to create and store up to 100 directory entries. A Personal Directory entry can contain:

- last name (up to 24 characters)
- first name (up to 24 characters)
- phone numbers (up to 31 characters)

To use the Personal Directory, press the **Directory** key and select **Personal Directory**.

To add an entry:

1. Press the **Add** soft key.

   If the message *Directory is full* appears, delete one or more entries to add a new entry.

2. Use the dialpad to enter the name.

3. Press the **Next** soft key.

4. Use the dialpad to enter the phone number.

5. Do one of the following:
   - — Press the **Done** soft key to save the new entry.
   - — Press the **Cancel** soft key to return to the Add screen.

To edit an entry:

1. Press the **Up/Down** navigation keys to scroll and highlight the desired entry.

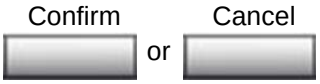
2. Press the **Edit** soft key and perform your edits.

3. Choose one of the following:
   - — Press the **Done** soft key to save the changes.
   - — Press the **Cancel** soft key to return to the Personal Directory without saving your changes.

To delete an entry:

1. Press the **Up/Down** navigation keys to scroll and highlight the desired entry.

2. Press the **Delete** soft key.



3. Choose one of the following:
   - Press the **Confirm** soft key to delete the entry.
   - Press the **Cancel** soft key to return to the Personal Directory without deleting the entry.

To search for an entry:

1. Press the **Up/Down** navigation keys to scroll and highlight the desired entry.

2. Choose one of the following:
   - Press the **Dial** soft key to dial the resulting number.
   - Press the **Cancel** soft key to exit without dialing.

Using the Callers List

The Callers List feature logs all incoming calls. The Callers List can store up to 100 entries. When the list is full, the system overwrites the oldest entry. Use the Callers List feature to review missed calls and to dial calls. The Callers List contains:

- the caller's last and first name (if available)
- the DN of the caller
- the time and date of the call
- the number of times the caller called

Note: If the caller name is not defined, then only the telephone number is displayed.

Entries in the Callers List are sorted by the time the call arrived.

The appearance of names in the Callers List depends on the configuration of Preferred Name Match. If Preferred Name Match is activated on your IP Phone, the Calling Party Name Display (CPND) appears according to the configuration settings on your IP Phone. If Preferred Name Match is off, the CPND appears according to the system configuration.

To access the Callers List, press the **Directory** key and select **Callers List**. If password control is enabled, you must enter your SCPW at the prompt.

To dial an entry:

1. Press the **Up/Down** navigation keys to scroll and highlight the desired entry.

Dial

2. Press the **Dial** soft key.

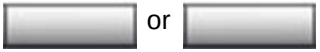
To delete an entry:

1. Press the **Up/Down** navigation keys to scroll and highlight the desired entry.

Delete

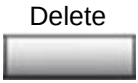
2. Press the **Delete** soft key.

Confirm or Cancel



3. Choose one of the following:
   - Press the **Confirm** soft key to delete the entry.
   - Press the **Cancel** soft key to return to the Personal Directory without deleting the entry.

To delete the entire Callers List:



1. Press the **Delete** soft key.

2. Choose one of the following soft keys:
   - **Yes** to delete the entire Callers List
   - **No** to return to the previous screen

Using the Redial List

The Redial List feature logs all outgoing calls. Redial List can store up to 20 entries. When the list is full, the system overwrites the oldest entry. Use the Redial List feature to review calls made, and to redial previously dialed calls. The Redial List contains:

- the last and first names of the dialed party (if available)
- the DN of the dialed party
- the time and date of the last dialed occurrence

Note: If the caller name is not defined, then only the telephone number is displayed.

Entries in the Redial List are sorted by the time the call was received.

The appearance of names in the Redial List depends on the configuration of Preferred Name Match. If Preferred Name Match is activated on your IP Phone, the Calling Party Name Display (CPND) appears according to the configuration settings on your IP Phone. If Preferred Name Match is off, the CPND appears according to the system configuration.

To access Redial List, press the **Directory** key and select **Redial List**. If password control is enabled, you must enter your SCPW at the prompt.

To dial an entry:

1. Press the **Up/Down** navigation keys to scroll and highlight the desired entry.

2. Press the **Dial** soft key.

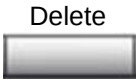
To delete an entry:

1. Press the **Up/Down** navigation keys to scroll and highlight the desired entry.

2. Press the **Delete** soft key.

3. Choose one of the following soft keys:
   - **Yes** to delete the entry
   - **No** to return to the previous screen

To delete the entire Redial List:



1. Press the **Delete** soft key.

2. Choose one of the following soft keys:
   - **Yes** to delete the entire Redial List
   - **No** to return to the previous screen

Using Virtual Office

The Virtual Office feature provides a service you can use while you are away from your desk to transfer calls, and all your office IP Phone features, to a remote IP Phone. Virtual Office makes this possible by allowing you to use another IP Phone (the Remote phone) to log in to your own home or office IP Phone (the Office phone). After you log in, you can access the DNs, autodial numbers, key layout, feature keys, and voicemail features that are configured on your own home or office IP Phone.

To use Virtual Office, you need your DN and preconfigured Station Control Password (SCPW). You must activate Virtual Office on your Office phone before you can connect to it from a Remote phone. See “Logging in to Virtual Office” on page 183.

Consult your system administrator to verify if the Virtual Office feature is available for your use.

You can use an IP Phone as a Remote phone to connect to your IP Phone 1165E even if it is a different IP Phone model. Table 12 shows the IP Phones on which you can use Virtual Office to connect to your IP Phone 1165E.

Table 12: Virtual Office connection availability

Using IP Phone	Possible to log in to the 1165E?
IP Phone 2001	Yes, with restrictions
IP Phone 2002	Yes, with restrictions
IP Phone 2004	Yes, with restrictions
IP Audio Conference Phone 2033	Yes, with restrictions
IP Softphone 2050	Yes, with restrictions
IP Phone 2007	Yes, with restrictions
IP Phone 1210	Yes, with restrictions

Table 12: Virtual Office connection availability

Using IP Phone	Possible to log in to the 1165E?
IP Phone 1220	Yes, with restrictions
IP Phone 1230	Yes
IP Phone 1110	Yes, with restrictions
IP Phone 1120E	Yes, with restrictions
IP Phone 1140E	Yes, with restrictions
IP Phone 1150E	No
IP Phone 1165E	Yes

Logging in to Virtual Office

If the IP Phone is configured for Virtual Office, the Virtual soft key is displayed, as shown in Figure 33 on page 184.

Figure 33: Virtual soft key

To activate Virtual Office on your Office IP Phone from your Remote IP Phone:

1. Press the **Virtual** soft key.

2. At the prompt, enter your user ID.

3. Press Enter.

4. At the prompt, enter the home **Station Control Password (SCPW)**.

If the user ID is not found locally, the message Locating Remote Server appears.

After three failed login attempts, wait for 1 hour before attempting to log in again, or contact your system administrator to reset your password. For more information see, “Security features” on page 23.

A successful login transfers all the features, time, date, and tones to your Remote IP Phone from your Office IP Phone. Your Virtual Office session expires after a fixed period of time, (determined by your system administrator).

Using Virtual Office on your Remote IP Phone

Because the display characteristics, including size, vary from one IP Phone model to the next, your Office IP Phone 1165E display is different on each Remote phone.

Figure 34 on page 185 shows an IP Phone 1165E logged in as a Remote phone to an IP Phone 1165E Office phone. All the features appear as they do on your Office IP Phone 1165E.

Figure 34: Logged in to an IP Phone 1165E

Figure 35 on page 186 shows an IP Phone 1120E logged in as a Remote phone to an IP Phone 1165E Office phone. Fewer display lines are available on the 1120E, so the display provides less information.

Figure 35: Logged in to an IP Phone 1165E using an IP Phone 1120E

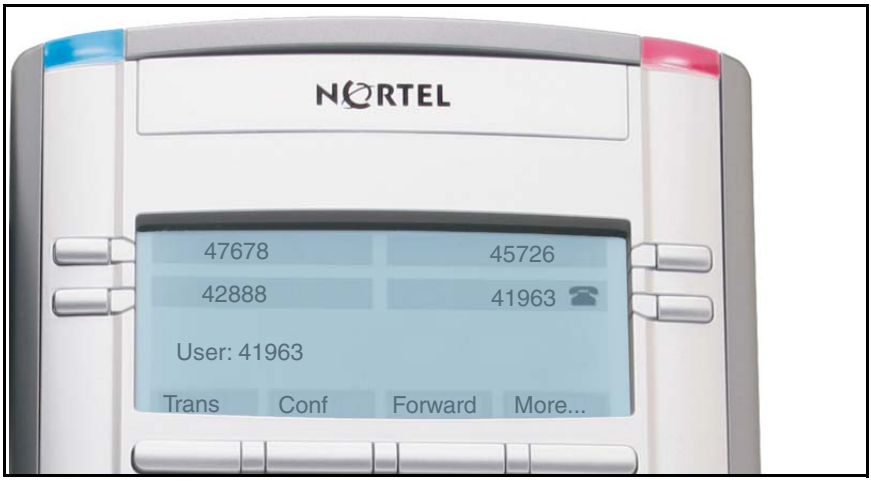
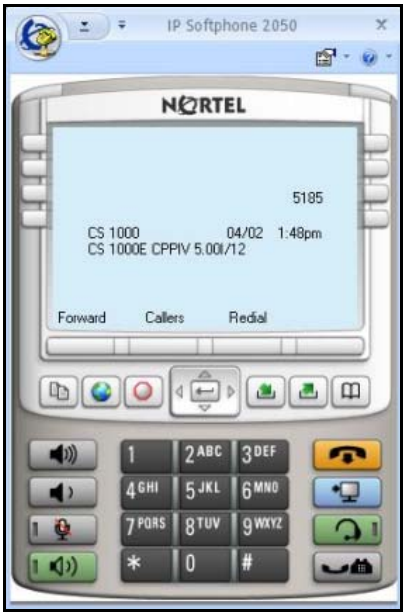


Figure 36 on page 187 shows an IP Softphone 2050 logged in as a Remote phone to an IP Phone 1165E Office phone. In this case, the information display is arranged in a different fashion, but all the information is visible at one time.

Figure 36: Logged in to an IP Phone 1165E using an IP Softphone 2050



Regardless of what model of IP Phone you use as a Remote phone, a User information line appears, which lists the number of your Office IP Phone.

Using Virtual Office on your Office IP Phone

Figure 37 on page 188 shows the IP Phone 1165E display when the phone is logged out due to remote access.

Figure 37: Office phone displays the message Logged Out

When activated for Virtual Office by a remote IP Phone, your Office IP Phone is *logged out* and no longer operational. If this is the case when you return to your office, you can disconnect the remote login and regain control of your Office phone. If you do not disconnect the remote login, your Virtual Office session expires after a fixed period of time, determined by your system administrator.

To regain operation of a IP Phone being used for Virtual Office:

Choose one of the following:

— To completely disconnect your Office IP Phone from the Remote IP Phone:

Home

a. Press the **Home** key.

b. Enter your User ID and password (this logs the Office IP Phone back on to your office network).

or

Vrtual

— Press the **Virtual** soft key to log in to another IP Phone, and your IP Phone becomes a Remote IP Phone.

Logging out of Virtual Office

To log out of Virtual Office, press the Virtual soft key.

Automatic log out from Virtual Office

Your remove Virtual Office IP Phone may be configured to automatically log out of Virtual Office after a predetermined period of inactivity. When automatic logout is about to occur, the following message is displayed on the IP Phone: “**Logout phone now**?”

Press **Yes** to allow the IP Phone to log out of Virtual Office or press **No** to remain logged in to Virtual Office and reset the IDLE timer. If not key is pressed, the IP Phone logs out of Virtual Office.

Emergency calls on your Remote IP Phone

If you make an emergency call while logged in to Virtual Office on a Remote IP Phone, the call is placed to the local emergency service, not to your home office emergency service.

Note: Some IP Phones are configured as Virtual Office-only telephones are have no assigned DN. However, these IP Phones can

still be used to make emergency calls. “Emergency Calls only” is displayed on the IP Phone display when not logged in to Virtual Office. When the phone goes off-hook, dial tone is available for emergency calls only. All other calls are restricted.

Troubleshooting Virtual Office

Virtual Office can cause error messages to display on-screen. Table 13 lists error messages and describes actions to correct the causes.

Table 13: Troubleshooting Virtual Office (Part 1 of 3)

Displayed message	Probable cause	Actions
Busy, try again	Remote IP Phone is active (not idle).	Wait for remote IP Phone to become idle and try again.
	ACD is logged in.	Log out of ACD IP Phone before initiating Virtual Office from another IP Phone.
	Make Set Busy is inactive on ACD IP Phone.	Configure Make Set Busy active on ACD IP Phone.
Invalid ID (1)	Incorrect User ID entered.	Enter correct User ID.
	User ID is not in Gatekeeper database.	Notify system administrator.
Invalid ID (2)	Incorrect User ID entered.	Enter correct User ID.
Invalid ID (3)	Incorrect User ID entered.	Enter correct User ID.
	User ID in Gatekeeper database points to originating Call Server.	Notify system administrator.

Table 13: Troubleshooting Virtual Office (Part 2 of 3)

Displayed message	Probable cause	Actions
Locked from Login	Three failed attempts to enter the correct Station Control Password.	Wait one hour for the lock to clear automatically, or notify system administrator to clear lock.
Permission Denied (1)	Remote IP Phone has no Station Control Password.	Notify system administrator.
Permission Denied (3)	Incorrect User ID entered.	Enter correct User ID.
	Remote IP Phone has no Station Control Password.	Notify system administrator.
Permission Denied (4)	Incorrect User ID entered.	Enter correct User ID.
	Attempt to log in to a remote IP Phone 1120E, IP Phone 1140E, or IP Softphone 2050 from an IP Phone 1165E (some restrictions apply).	Go to an IP Phone 1120E, IP Phone 1140E, or IP Softphone 2050 and try again, or consult your local system administrator.
Permission Denied (6)	Incorrect User ID entered.	Enter correct User ID.
	Incorrect Station Control Password entered.	Select Retry, and try again with the correct Station Control Password.

Table 13: Troubleshooting Virtual Office (Part 3 of 3)

Displayed message	Probable cause	Actions
Server Unreachable (1)	Network problem.	Notify system administrator if the problem persists.
Server Unreachable (2)	Network problem.	Notify system administrator if the problem persists.
VOUD configured on TN	Remote IP Phone does not have VOUA Class of Service.	Notify the system administrator.

Using Media Gateway 1000B

The Media Gateway 1000B (MG 1000B) provides a means of extending CS1000 features to one or more remotely located branch offices using the Branch Office feature. A branch office is a remote location in the network where IP Phones, PSTN access, and TDM IP Phones are located. Contact your system administrator to see if these functions are available for your use.

The Media Gateway 1000B (MG 1000B) IP Phone can operate in Normal or Local Mode.

Normal Mode

The IP Phone registers with the Main Office and receives IP Phone services from the Main Office. At any time while using Normal Mode, you can check Local Mode functionality (make and receive calls) by enabling Local Mode and returning to Normal Mode. After testing, you can return to Normal Mode (see “Using Resume Normal Mode” on page 193) or wait for 10 minutes.

Local Mode

If the WAN connection goes down, the IP Phone loses communication with the Main Office TPS. It then registers with the MG 1000B and receives IP Phone services from the MG 1000B. Features such as

Personal Directory, Redial List, and Callers List are not available when operating in Local Mode. When in Local Mode, the IP Phone displays the message *LOCAL MODE*.

Using Test Local Mode

Use Test Local Mode to check Local Mode functionality (make and receive IP Phone calls). Test Local Mode is useful when provisioning has changed for an IP Phone on an MG 1000B Controller.

(Services)

1. Press the **Services** key.

2. Press the **Up/Down** navigation keys to scroll and highlight Test Local Mode.

3. Press Enter (the IP Phone resets and registers back to the branch office).

Using Resume Normal Mode

Use the Resume Normal Mode command to return to Normal Mode after testing survival functionality. If you do not use the Resume Normal Mode command after testing, the IP Phone automatically returns to Normal Mode in 10 minutes.

(Services)

1. Press the **Services** key.

2. Press the **Up/Down** navigation keys to scroll and highlight **Resume Normal Mode**.

3. Press Enter (the IP Phone registers back to the main office).

Troubleshooting MG 1000B

The MG 1000B can cause error messages to display on-screen. Table 14 lists error messages and describes actions to correct the causes.

Table 14: Troubleshooting MG 1000B

Display message	Probable cause	Actions
Local Mode	Test Local Mode.	Press the **Services** key, and then select Resume Normal Mode.
	Network problem.	Contact system administrator if problem persists.
Local Mode Invalid ID (1)	Gatekeeper unable to find end point from Branch User ID.	Notify system administrator.
Local Mode Invalid ID (2)	Branch User ID not found in any equipped Terminal Number (TN).	Notify system administrator.

Using Hospitality features

Hospitality features are intended for hotel operations.

Configuring Automatic Wake-Up

Use the Automatic Wake-Up feature to receive a timed reminder call. From your IP Phone, you can program the system to automatically place a call to you at a predetermined time. When you answer the call, recorded music plays for up to 30 seconds, followed by a prerecorded announcement or the attendant.

To enter the time for an Automatic Wake-Up call:

1. Lift the handset.

2. Dial the **Automatic Wake-Up Request** FFC.

3. Dial the **Automatic Wake-Up** time in a 24-hour time format (hhmm). A tone sounds to confirm your entered time.

   To enter the time in a 24-hour time format, enter the hours followed by the minutes. For example, to set the time to 7:30 a.m., enter 0730; to set it to 9:45 p.m., enter 2145.

(Goodbye)

4. Press the **Goodbye** key.

To cancel an Automatic Wake-Up call:

1. Lift the handset.

2. Dial the **Automatic Wake-Up Quit** FFC.

(Goodbye)

3. Press the **Goodbye** key.

To verify the time for the Automatic Wake-Up call:

1. Lift the handset.

2. Dial the **Automatic Wake-Up Verify** FFC.

3. Dial the **Automatic Wake-Up** time in a 24-hour time format (hhmm). If your query matches the preset time, a confirmation tone sounds.

   To enter the time in a 24-hour time format, enter the hours followed by the minutes. For example, to set the time to 7:30 a.m., enter 0730; to set it to 9:45 p.m., enter 2145.

(Goodbye)

4. Press the **Goodbye** key.

Activating Message Registration

Use the Message Registration feature to read, change, or reset meters that log your hotel phone calls.

To read meters:

1. Press the **Message Registration** key.

2. Dial the room **Directory Number** (DN).

3. Press the **Message Registration** key.

To change a meter:

1. Press the **Message Registration** key.

2. Dial the room **Directory Number** (DN).

3. Dial the correct meter count.

4. Press the * key.

5. Press the **Message Registration** key.

To reset a meter to zero:

MRK

1. Press the **Message Registration** key.

2. Dial the room Directory Number (DN).

3. Press the * key.

MRK

4. Press the **Message Registration** key.

Using Maid Identification

Use the Maid Identification feature to track the cleaning status of rooms. The maid enters the information from the IP Phone in each room.

To enter cleaning status:

RMK

1. Press the **Room Status** key.

2. Dial the **Directory Number** (DN) for the room.

3. Dial one of the following cleaning status codes:

   1 = Cleaning requested

   2 = Cleaning in progress

   3 = Room cleaned

   4 = Room passed inspection

   5 = Room failed inspection

   6 = Cleaning skipped

   The interrupted dial tone sounds.

4. Press the * key.

5. Dial the **Maid** ID. If you dial the wrong **Maid** ID, press the ***** key and redial the ID.

RMK

6. Press the **Room Status** key.

Displaying Room Status

Use the Room Status feature to display the status of a room using the Display Module.

To display the status of a room:

RMK

1. Press the **Room Status** key.

2. Dial the **Directory Number** (DN) for the room. The DN appears followed by a two-digit code.

   The first digit indicates the occupancy status:

   0 = Room vacant

   1 = Room occupied

   The second digit indicates the cleaning status of the room:

   1 = Cleaning requested

   2 = Cleaning in progress

   3 = Room cleaned

   4 = Room passed inspection

   5 = Room failed inspection

   6 = Cleaning skipped

RMK

3. Press the **Room Status** key.

Changing the status of a room:

RMK

1. Press the **Room Status** key.

2. Dial the **Directory Number** (DN) for the room. The DN appears followed by a two-digit code.

   The first digit indicates the occupancy status:

   0 = Room vacant

   1 = Room occupied

   The second digit indicates the cleaning status of the room:

   1 = Cleaning requested

   2 = Cleaning in progress

   3 = Room cleaned

   4 = Room passed inspection

   5 = Room failed inspection

   6 = Cleaning skipped

3. Dial the status code for the room. A three-digit code appears. The first digit indicates the occupancy status, the second is the previous cleaning status, and the third is the new status.

RMK

4. Press the **Room Status** key.

Accessing External Server Applications

Use External Server Applications to access a variety of applications directly from your IP Phone 1165E.

To find out what features and services are available, contact your system administrator. Depending on what is available on your system, your phone can provide information; for example, local news and weather, stock market information, or traffic reports.

For more information about the External Server Applications, consult the *Nortel IP Phone External Server Applications User Guide*.

Using Record On Demand key

If this feature is enabled, you can use the Record on Demand (ROD) feature key to record your telephone conversation.

Press the ROD key to start or stop the call recording. This key is associated with the active user ID and is displayed only if a call is active. The ROD key blinks while it is connecting to the call recording application, and is lit when the call is recording.

The ROD key is displayed in the following scenarios:

- Normal operation - Press the ROD key during an active call to record the call.
- Call Recording (CR) application in ROD Mode - Press the ROD key during an active call to record the call
- Bulk Recording - For an active call or unregistered DN/Position ID, call recording is initiated even though the ROD key is not pressed.

1. Press the **ROD** key during an active call.

2. To stop the call recording, press the **ROD** key again.

Using SAVE key

Use the **SAVE** feature key to save the recording of an active call. This key is associated with the active user ID and is operational only if a call is active.

The **SAVE** key is displayed in the following scenarios:

- Normal operations - If the **SAVE** key is pressed during an active call, the call is saved.
- CR application in Bulk Record + Save everything mode - Recorded conversation is saved at the end of the call. If the **SAVE** key is pressed, then the call is not saved.
- CR application in Bulk Record + Delete everything mode - Recorded conversation is deleted at the end of the call. If the **SAVE** key is pressed, then the call is saved.

The **SAVE** key lamp status depends on the status of the call recording. If the call is to be saved, then the lamp is lit.

1. Press the **ROD** key during an active call.
2. To stop the call recording, press the **ROD** key again.
3. Press the **SAVE** key to save the conversation.

Flexible Feature Codes (FFCs)

Use Table 15 to track the FFCs assigned by your system administrator.

Table 15: Flexible Feature Codes

FFC	Feature	FFC	Feature
	Automatic Wake-Up Activate		Make Set Busy Activate
	Automatic Wake-Up Deactivate		Make Set Busy Deactivate
	Automatic Wake-Up Verify		Malicious Call Trace
	Call Detail Recording Charge Account		Override
	Call Forward All Calls Activate		Pickup Ringing Number
	Call Forward All Calls Deactivate		Pickup Directory Number
	Call Park		Pickup Group
	Electronic Lock Activate		Radio Paging Access
	Electronic Lock Deactivate		Radio Paging Answer
	Group Call		Remote Call Forward Activate
	Internal Call Forward Activate		Remote Call Forward Deactivate
	Internal Call Forward Deactivate		RingAgain Activate
	RingAgain Deactivate		Virtual Office Terminal Log Off
	Station Control Password Change		Virtual Office Terminal Log On

Regulatory and safety information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Note: The user should not make changes or modifications not expressly approved by Nortel Networks. Any such changes could void the user's authority to operate the equipment

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Warnings:

- This is a Class B product. In a domestic environment this product can cause radio interference in which case the user must take adequate measures.
- Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
- Privacy of communications may not be ensured when using this IP Phone.
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed

and operated with a minimum distance of 20cm between the radiator and your body (excluding the handset). This transmitter must not be colocated or operated in conjunction with any other antenna or transmitter.

To prevent radio interference to the licensed service, this device must be operated indoors only and should be kept away from windows to provide maximum shielding.

この装置は、情報処理装置等電波障害自主規制協議会（ＶＣＣＩ）の基準に基づくクラスＢ情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。

Table 16 lists EMC compliance for various jurisdictions.

Table 16: EMC compliance

Jurisdiction	Standard	Description
United States	FCC CFR 47 Part 15	Class B Emissions: FCC Rules for Radio Frequency Devices (see Notes 1 and 2)
Canada	ICES-003	Class B Emissions: Interference-Causing Equipment Standard: Digital Apparatus
European Community	EN 55022	Class B Emissions: Information technology equipment - Radio disturbance
	EN 55024	Information technology equipment - Immunity characteristics Limits and methods of measurement
	EN 61000-3-2	Limits for harmonic current emissions (equipment input current <= 16 A per phase)
	EN 61000-3-3	Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current <= 16 A
Japan	VCCI	Regulations for voluntary control measures.

Table 17 lists Safety compliance for various jurisdictions.

Table 17: Safety compliance

Jurisdiction	Standard	Description
United States	UL 60950-1	Safety of Information Technology Equipment
Canada	CSA 60950-1-03	Safety of Information Technology Equipment
European Community	EN 60950-1	ITE equipment - Safety - Part 1: General requirements

Other Safety Approvals: IEC 60950-1: ITE equipment - Safety - Part 1: General requirements.

Other

US/Canada: Hearing Aid Compatibility (HAC) as per FCC Part 68

This equipment complies with the CE Marking requirements. CE

EU Countries: This device complies with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the Declaration may be obtained from www.nortel.com or Nortel
250 Sidney Street Belleville Ontario Canada K8P 3Z3.

Bluetooth wireless technology: This portable device with its antenna complies with FCCs RF radiation exposure limits for an uncontrolled environment. To maintain compliance, this transmitter must not be collocated or operate in conjunction with any other antenna or transmitter.

DenAn regulatory notice for Japan

⚠ Warning

Please be careful of the following while installing the equipment:

- Please only use the Connecting cables, power cord, AC adaptors shipped with the equipment or specified by Nortel to be used with the equipment. If you use any other equipment, it may cause “failures, malfunctioning or fire”.
- Power cords shipped with this equipment must not be used with any other equipment. In case the above guidelines are not followed, it may lead to death or severe injury

⚠ 警告

本製品を安全にご使用頂くため、以下のことにご注意ください。

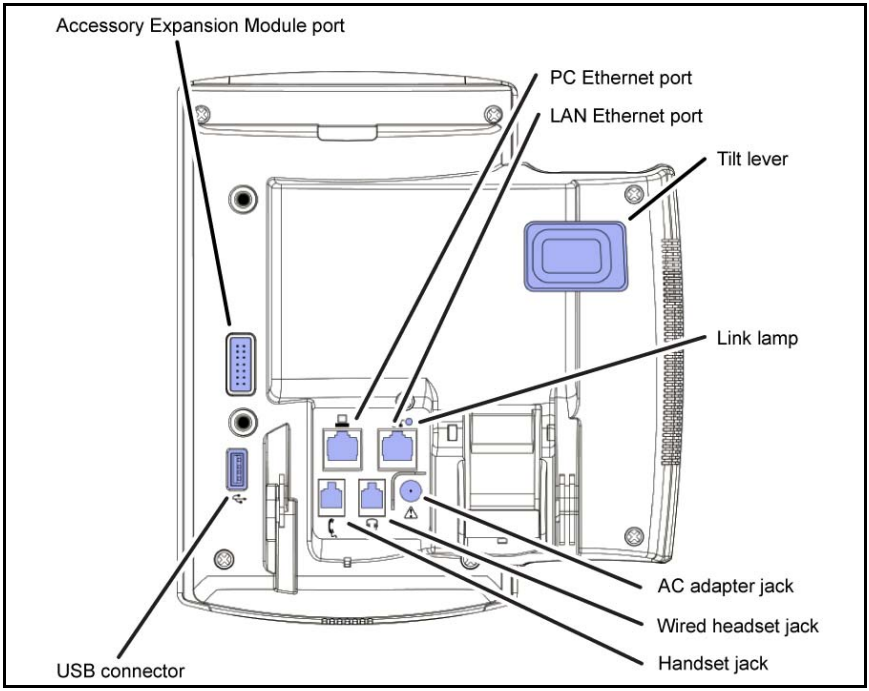
- 接続ケーブル、電源コード、ACアダプタなどの部品は、必ず製品に同梱されております添付品または指定品をご使用ください。添付品・指定品以外の部品をご使用になると故障や動作不良、火災の原因となることがあります。
- 同梱されております付属の電源コードを他の機器には使用しないでください。

上記注意事項を守らないと、死亡や大怪我など人身事故の原因となることがあります。

Appendix: Connecting the components

Following figure shows connections on the IP Phone 1165E.

Figure 38: IP Phone 1165E connections



WARNING
Ensure that the protective rubber cap on the Accessory Expansion Module port is in place when the port is not in use. Connecting anything other than the proper Expansion Module for IP Phone 1100 Series connector to this port can cause damage to the IP Phone.

Before you begin

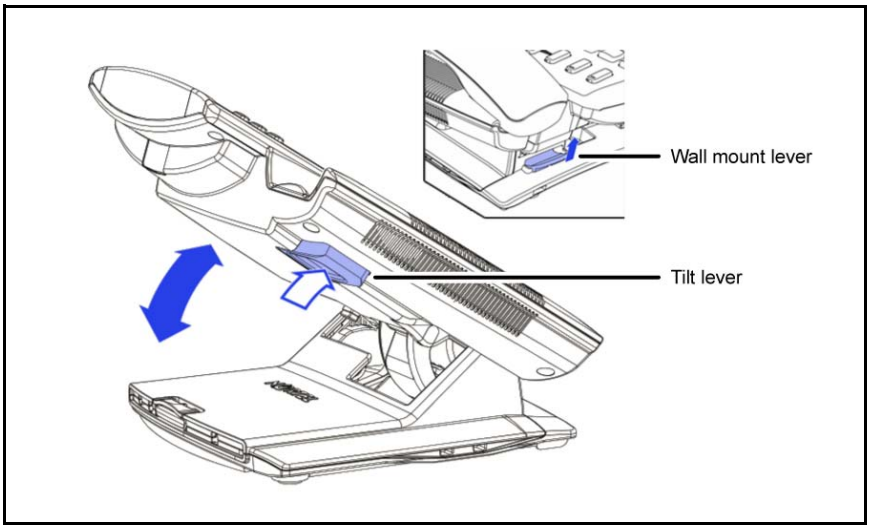
CAUTION
Damage to Equipment
Ensure you only plug your IP Phone 1165E into a 100BaseT Ethernet jack. Plugging your IP Phone 1165E into anything other than a 100BaseT Ethernet jack will result severe damage to the IP Phone.

CAUTION
Your IP Phone 1165E is designed for use in an indoor environment only.

Connecting the components of the IP Phone

WARNING
Your IP Phone 1165E is shipped with the base locked in position. To avoid damaging your IP Phone, pull up on the wall-mount lever, located just under the Handsfree key, to release the base and gently rotate the base away from the IP Phone.

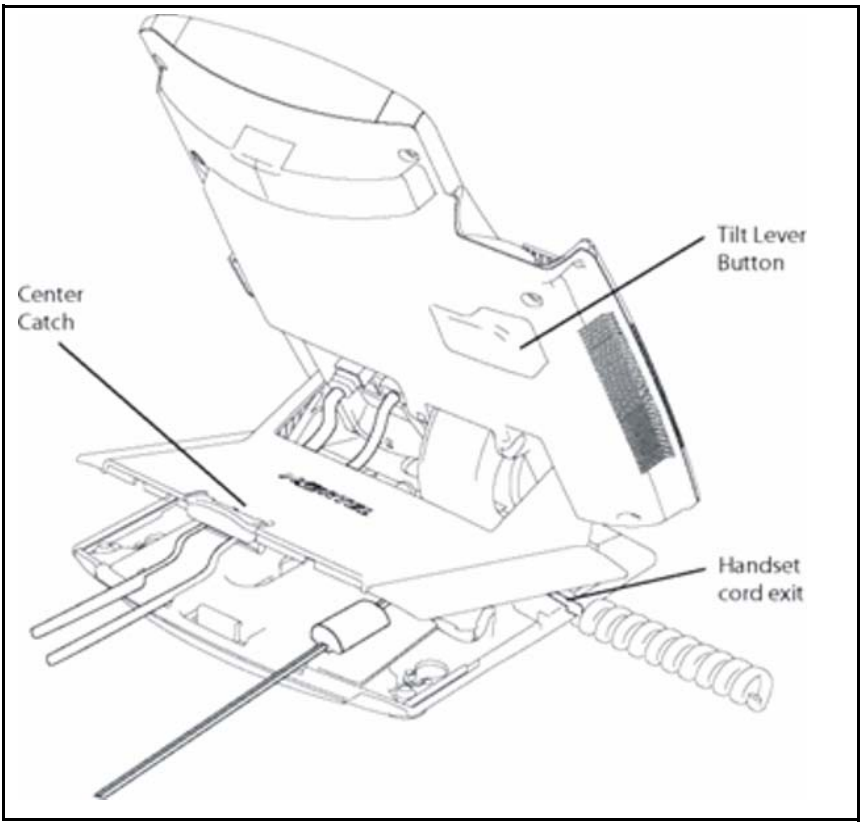
Figure 39: **Release the IP Phone** 1165E from the stand



Use the following steps to connect the components of your IP Phone.

1. Remove the stand cover. Pull upward on the center catch as indicated in preceding figure and remove the stand cover. The cable routing tracks are now accessible.

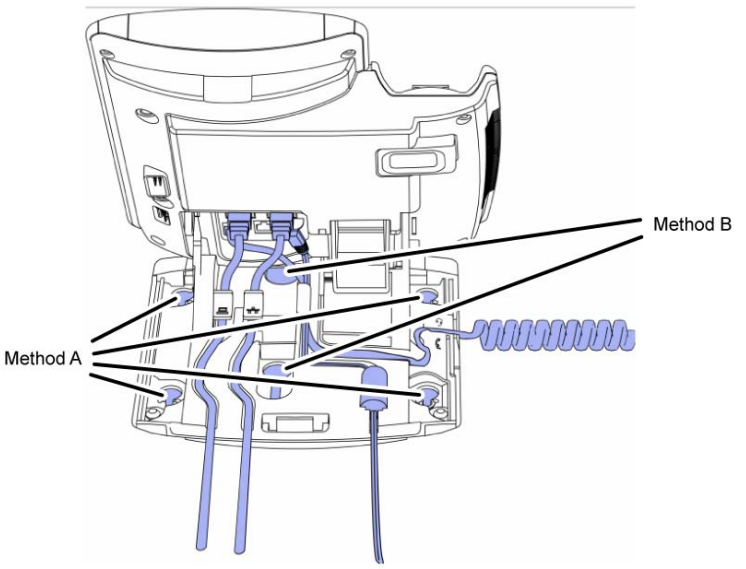
Figure 40: Remove the stand cover



2. Your IP Phone 1165E can be powered by standard IEEE 802.3af Power over Ethernet or by AC power To use Power over Ethernet, where power is delivered from the Ethernet Switch over the LAN cabling infrastructure to the phone (IEEE 802.3af), additional use of AC power is not advised.
   To use local AC power, the approved global power supply (NTYS17) is separately orderable from Nortel. A standard IEC cable, with country-specific plug, is also required for use with the global power supply for local AC powering.
   To use local power, connect the global power supply to the AC adapter jack in the bottom of the IP Phone. Form a small bend in the cable, and then thread the adapter cord through the channels in the stand.

3. Install the handset. Connect the end of the handset cable with the short straight section into the handset. Connect the end of the handset cable with the long straight section to the back of the IP Phone, using the RJ-9 handset jack handset jack marked with the symbol . Form a small bend in the cable, and then thread the handset cord through the channels in the stand so that it exits behind the handset on the right side, in the Handset cord exit in the stand base.
4. Install the headset (optional). If you are installing a headset, plug the connector into the RJ-9 headset jack marked with the symbol on the back of the IP Phone, and thread the headset cord along with the handset cord through the channels in the stand, so that the headset cord exits the channel marked with the symbol .
5. Install the Ethernet cable. Connect one end of the supplied Ethernet cable to the back of your IP Phone using the RJ-45 connector marked with the symbol and thread the network cable through the channel marked with the symbol .
6. If you are connecting your PC through the IP Phone, you require a second CAT-5e or CAT6 cable. Only one cable is included with the IP Phone 1165E package. Install the Ethernet cable connecting the PC to the IP Phone (optional). Connect one end of the PC Ethernet cable to your IP Phone using the RJ-45 connector marked with the symbol and thread it through the channel marked with the symbol . Connect the other end to the LAN connector on the back of your PC.
7. Install additional cables. If applicable, plug in optional USB devices. Connect the Ethernet cable to the LAN Ethernet connection. If you are using a global power supply, plug the global power supply into an AC outlet.

Figure 41: Cable routing tracks and mounting holes



8. Wall-mount your IP Phone (optional). Your IP Phone 1165E can be mounted either by: (Method A) using the mounting holes on the bottom of the IP Phone stand, or (Method B) using a traditional-style wall-mount box with RJ-45 connector and 15-cm (6-inch) CAT5e cable (not provided).

   Complete steps 1-7, as needed, before you wall-mount your IP Phone:

   Method A: Press the wall-mount lever, and pull the IP Phone away from the stand. Using the stand cover (the part you removed in step 1), mark the wall-mount holes by pressing the bottom of the stand cover firmly against the wall in the location where you wish to install the IP Phone. Four small pins on the bottom of the stand cover make marks on the wall. Use the marks as a guideline for installing the wall-mount screws (not provided). Install the screws so that they protrude 3 mm (1/8 inch) from the wall, and then install the IP Phone stand mounting holes over the screw heads. You may need to remove the IP Phone from the wall to adjust the lower screws. When the lower

screws are snug, install the IP Phone on the mounting screws, and then tighten the top screws.

Method B: Attach a 15-cm (6-inch) CAT5e cable (not supplied), position the stand over the mounting rivets, and slide the IP Phone down the wall so that the rivets fit into the slots on the stand.

9. Replace the stand cover. Ensure that all cables are neatly routed and press the stand cover into place until you hear a click.
10. Put the IP Phone in the wall-mount position. If you wall-mounted your IP Phone, put it in the wall-mount position by holding the Tilt Lever and pressing the IP Phone towards the base until the IP Phone is parallel with the base. Release the Tilt Lever and continue to push the IP Phone towards the base until you hear an audible click. Ensure the IP Phone is securely locked in position.

Terms you should know

Calling Party Name Display

Information appearing on the LCD display screen, such as the caller's name and phone number. The system must have CPND enabled.

Category 5 (Cat5)

Cable and associated connecting hardware capable of transmitting at speeds up to 100 MHz, used by 10BaseT, 100BaseT4, 100BaseTX.

Category 5e (Cat5e)

Most Cat5 cable manufactured after 1996 also supports 1000BaseT (GigE) installations, and is designated Cat 5e. Cat5e cable normally has four pairs of copper wire.

Category 6 (Cat6)

Cable and associated connecting hardware capable of transmitting at speeds up to 200 MHz. Designed specifically to support 1000BaseT (GigE), it is also compatible with 10BaseT, 100BaseT4, and 100BaseTX installations. The cable normally has four pairs of copper wire.

Communication Server 1000

Your office communication system.

Context-sensitive soft keys

A set of keys programmed by your system administrator. These four keys, located directly below the display area, have four programmable layers. These keys are also used to configure parameters in the **Telephone Options** menu.

Date/time display

The current date and time when the IP Phone is in an idle state.

Directory Number (DN)

A number consisting of one to seven digits for an IP Phone, and also known as an *extension number*.

Feature display

An area that shows status information about the feature in use. It also displays the name and status of the active session.

Feature Status Lamp indicator

An LCD or an LED that indicates a data message, contact, or feature status by a flash, wink, steady on, or off.

Fixed key

The hard-labeled keys on your IP Phone.

Flexible Feature Codes (FFCs)

Specialized codes entered using the dialpad that enable features (for example, Ring Again).

Goodbye key

A fixed key used to end an active call.

Indicator

An LCD or an LED that indicates the status of a feature by the flash, wink, steady on, or off.

Information display

Any display of call activity, lists, prompts, and status of calls. If the text message exceeds the available display area, a scroll arrow icon indicates that you must use the scroll keys to view the remaining text.

Interrupted dial tone

A broken or pulsed dial tone that sounds when you access some features on your IP Phone.

Message/Inbox

A fixed key on your IP Phone 1165E that connects to your voice messaging system when the key is pressed.

Navigation keys

Keys used to scroll through menus and lists appearing on the LCD display screen.

Off-hook

Any line selected to make a call or receive an incoming call. The term *off-hook* is applied whether (a) the end user lifts up the handset, (b) the end user presses a line key, (c) the call is automatically answered at the IP Phone, or (d) a line is automatically selected for an outgoing call.

Paging tone

A special tone (two beeps followed by dial tone) that sounds when you use the Radio Paging feature.

Power over Ethernet (PoE)

Power over Ethernet (PoE) technology is used for wired Ethernet LANs (local area networks). It allows electrical current, necessary for the operation of devices, to be carried by data cables.

Ringback/ring tone

A sound indicating that a call you have made is ringing at its destination.

Services key

A fixed key used to access options such as Telephone Options, Password Admin, Virtual Office Login, Virtual Office Logout, Test Local Mode, and Resume Normal Mode.

Self-labeled line programmable feature keys

The keys on either side of the LCD display area are self-labeled line/programmable feature keys, with labels on the LCD. These keys functions as line (DN) keys.

Shared Directory Number

A DN (extension) that is shared by two or more persons.

Special Prefix code (SPRE)

Special codes entered using the dialpad, followed by a two-digit access code, that enable features (for example, Call Forward All Calls requires entry of SPRE code + 74).

Special dial tone

The three consecutive tones followed by dial tone that you hear when accessing IP Phone features.

Station Control Password (SCPW)

Enables security features on your IP Phone to prevent others from making calls from your IP Phone and to prevent access to protected features (for example, Remote Call Forward).

Status Messages

A message displayed to inform the user of important information. A right arrow appears if more than one Status Message is present. Examples of Status Messages include: Message Waiting, All Lines Forwarded to: 6453, Do Not Disturb On, Ring Again active, and Ringer is OFF.

System or Switch

Your office communication system.

Switchhook

A button on which the handset presses down, disconnecting your call when you replace the handset. The handset (when lifted)

releases the switchhook, and you either answer an incoming call or you receive a dial tone to make a call.

User interface

Screen displays that interact with the end user as a result of an action or event.

Visual Alerter/Message Waiting indicator

An LCD or an LED that flashes to indicate that a message is waiting or when the ringer is on.

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User Guide

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